

AVONDALE DWG NO C3-222 29-01-02		REV B
CAGE 94421	COMSC DWG NO 085-6975303	

GENERAL NOTES

1. ~~SOUNDING TUBE DESCRIPTIONS PENDING INSTALLATION.~~

NO	DESCRIPTION
	RESERVATIONS

UNIT:	CDRL: B031-3
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DISTRIBUTION STATEMENT APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.	THIS DWG INCORPORATES THE FOLLOWING CHANGE ORDERS					
	HMR	HMR	HMR	FMR	FMR	FMR

2373	BOB HOPE		
AVONDALE NO	VESSEL	AVONDALE NO	VESSEL

A Avondale Shipyards Division P O BOX 50280 NEW ORLEANS LA 70150-0280 CAGE 1CC97	AVONDALE JOB NO C3-222
	COMMANDER MILITARY SEALIFT COMMAND WASHINGTON, D.C. 20398-5100

CONTRACT NUMBER N00024-93-C-2205	T-AKR 300 STRATEGIC SEALIFT SHIP
DRAWN DATE W.S. 1/20/95	TANK CAPACITY CURVES (T-AKR 300 ONLY)
CHECKED D.F.N. 1/20/95	

APVD D.L.P. 1/23/95	SIZE B	AVONDALE DWG NO C3-222 29-01-02	REV B
APVD A.S.M. 1/23/95		CAGE 94421	DWG NO COMSC 085-6975303
	SCALE		SH NO 1 OF 76

DRAWING DISTRIBUTION			INDEX									
REV	ISSUE TYPE	DATE OF ISSUE	SH NO	TITLE								
-	F	1-24-95	1	TITLE SHEET								
A	F	6-27-97	2	DISTRIBUTION/INDEX								
B	F	8-23-97	3	INDEX (CONT.)								
			4	GENERAL NOTES								
			5	REVISIONS								
			6-10	KEY PLANS								
			11	SALT WATER BALLAST TANK SUMMARY								
			11	FRESH WATER TANK SUMMARY								
			11	LIST CONTROL TANK AND FIXED BALLAST TANK SUMMARY								
			12	FUEL OIL TANK SUMMARY								
			12	LUBE OIL TANK SUMMARY								
			12	MISCELLANEOUS TANK SUMMARY								
			13	FOREPEAK BALLAST TANK						8-K-0		
			14	FWD SW BALLAST TANK						8-20-0		
			15	NO 1 WING BALLAST TANK P						6-24-2		
			16	NO 1 WING BALLAST TANK S						6-24-1		
			17	NO 2A WING BALLAST TANK P						7-33-2		
			18	NO 2A WING BALLAST TANK S						7-33-1		
			19	NO 2B WING BALLAST TANK P/S						8-38-4/3		
			20	NO 2C WING BALLAST TANK P						8-44-4		
			21	NO 2C WING BALLAST TANK S						8-44-3		
			22	NO 3A WING BALLAST TANK P						8-50-4		
			23	NO 3A WING BALLAST TANK S						8-50-3		
			24	NO 3B WING BALLAST TANK P						8-57-2		
			25	NO 3B WING BALLAST TANK S						8-57-1		
			26	NO 3C WING BALLAST TANK P						8-64-4		
			27	NO 3C WING BALLAST TANK S						8-64-3		
			28	NO 4A WING BALLAST TANK P						8-71-4		
			29	NO 4A WING BALLAST TANK S						8-71-3		
			30	NO 4B WING BALLAST TANK P						8-78-4		
			REVISIONS				SIZE	AVONDALE DWG NO				REV
							B	C3-222 29-01-02				B
								CAGE	DWG NO			
								94421	COMSC 085-6975303			
												SH NO 2

INDEX

SH NO	TITLE	SH NO	TITLE	SH NO	TITLE
31	NO 4B WING BALLAST TANK S 8-78-3	66	CSA WASTE OIL TANK 8-87-2		
32	NO 6A WING BALLAST TANK P/S 8-99-4/3	67	CSA OILY WASTE HOLDING TANK 8-87-4		
33	NO 6B WING BALLAST TANK P/S 8-103-4/3	68	ENGINE ROOM WASTE OIL TANK 8-94-2		
34	NO 6D SW BALLAST TANK P/S 8-109-2/1	69	ENGINE ROOM OILY WASTE HOLDING TANK 8-93-2		
35	AFT PEAK BALLAST TANK P/S 8-113-2/1	70	OILY WASTE DRAIN COLLECTING TANK 8-86-2		
36	LIST CONTROL TANK P/S 6-64-2/1	71	USED OIL TANK 8-93-3		
37	POTABLE WATER TANK NO 1 5-95-7	72	FUEL OIL OVERFLOW TANK 8-93-1		
38	POTABLE WATER TANK NO 2 5-95-9	73	STERN TUBE LO DRAIN TANK P/S 7.5-97-2/1		
39	RESV FEED WATER TANK 5-91-1	74	VCHT TANK 2.5-91-2		
40	DIST WATER TANK 4.5-91-1	75	WASTE WATER TANK 2.5-94-2		
41	FUEL OIL TANK NO 1B P/S 8-29-2/1	76	FIXED BALLAST TANK 8-57-0		
42	FUEL OIL TANK NO 2A P/S 8-33-2/1				
43	FUEL OIL TANK NO 2B P/S 8-38-2/1				
44	FUEL OIL TANK NO 2C P/S 8-44-2/1				
45	FUEL OIL TANK NO 3A P/S 8-50-2/1				
46	FUEL OIL TANK NO 3C P/S 8-64-2/1				
47	FUEL OIL TANK NO 4A P/S 8-71-2/1				
48	FUEL OIL TANK NO 4B P/S 8-78-2/1				
49	FUEL OIL TANK NO 6A P/S 8-99-2/1				
50	FUEL OIL TANK NO 6B P/S 8-103-2/1				
51	FUEL OIL TANK NO 6C P/S 8-106-2/1				
52	SSDG FUEL OIL SERVICE TANK 6.5-99-1				
53	FUEL OIL SETTLING TANK 8-99-0				
54	FUEL OIL SERVICE TANK P 6.5-85-2				
55	FUEL OIL SERVICE TANK S 6.5-85-1				
56	EM GEN FO SERVICE TANK 02-103-1				
57	ME/SSDG LO STORAGE TANK P 6.5-91-2				
58	ME/SSDG LO STORAGE TANK S 6.5-90-1				
59	ME/SSDG LO SETTLING TANK P 6.5-93-2				
60	CPP LO STORAGE TANK 5-93-2				
61	CPP LO SETTLING TANK 5-95-3				
62	RG LO STORAGE TANK 5-92-2				
63	RG LO SETTLING TANK 5-95-5				
64	ME LO SUMP TANK P/S 7.5-86-2/1				
65	ME LO SUMP TANK P/S 7.5-86-4/3				

REVISIONS

SIZE
B

AVONDALE DWG NO C3-222	29-01-02	REV B
CAGE 94421	DWG NO COMSC 085-6975303	
	SH NO 3	

GENERAL NOTES

1. THE TANK CAPACITY DATA PRESENTED IN THIS BOOKLET ARE BASED ON A ZERO TRIM AND LIST CONDITION OF THE VESSEL.
2. THE CALCULATIONS INCLUDE A 2% DEDUCTION VALUE FOR ITEMS SUCH AS STRUCTURE, PIPING AND OUTFITTING LOCATED WITHIN THE BOUNDARIES. THESE DEDUCTIONS WERE APPLIED UNIFORMLY OVER THE DEPTH OF THE TANK.
3. FOR SIMPLICITY, ANY SYMMETRICAL (PORT & STBD) TANKS ARE DESIGNATED AS "P OR S" ON THE HEADING OF THEIR RESPECTIVE CURVE PLOTS. THE DATA PROVIDED IN SUCH PLOTS ARE FOR EITHER PORT OR STBD TANKS. HOWEVER, VALUES FOR EACH TANK ARE LISTED IN THE TANK SUMMARY TABLES.
4. THE REFERENCE PLANES USED IN THE CURVES ARE AS FOLLOWS:
 - A) VERTICAL: BOTTOM OF THE KEEL = 0.07' BELOW BASELINE.
 - B) LONGITUDINAL: FWD PERPENDICULAR = 0.00' FROM FRAME 0
 - C) TRANSVERSE: LONGITUDINAL CENTERLINE = PORT IS POSITIVE, STARBOARD IS NEGATIVE.

NOTE: THE TCG VALUES SHOWN ON THE CURVES FOR SYMMETRICAL (P & S) TANKS ARE SHOWN AS POSITIVE VALUES. IF A SYMMETRICAL PAIR OF TANKS ARE USED INDIVIDUALLY, SIMPLY USE A NEGATIVE TCG VALUE FOR THE STARBOARD TANK.

5. THE FOLLOWING CONVERSION FACTORS MAY BE USEFUL:

<u>DIVIDE</u>	<u>BY</u>	<u>TO OBTAIN</u>
GALLONS	261.835	LONG TONS SALT WATER
GALLONS	269.316	LONG TONS FRESH WATER
GALLONS	316.596	LONG TONS DFM
GALLONS	291.759	LONG TONS LUBE OIL
GALLONS	7.481	CUBIC FEET

GENERAL NOTES (CONT'D)

5. CONVERSION FACTORS CONTINUED:

<u>MULTIPLY</u>	<u>BY</u>	<u>TO OBTAIN</u>
LONG TONS	2240	POUNDS
LONG TONS	1.12	SHORT TONS
LONG TONS	1.016	METRIC TONS
LONG TONS SW	35.00	CUBIC FEET
LONG TONS FW	36.00	CUBIC FEET
LONG TONS DFM	42.32	CUBIC FEET
LONG TONS LO	39.00	CUBIC FEET

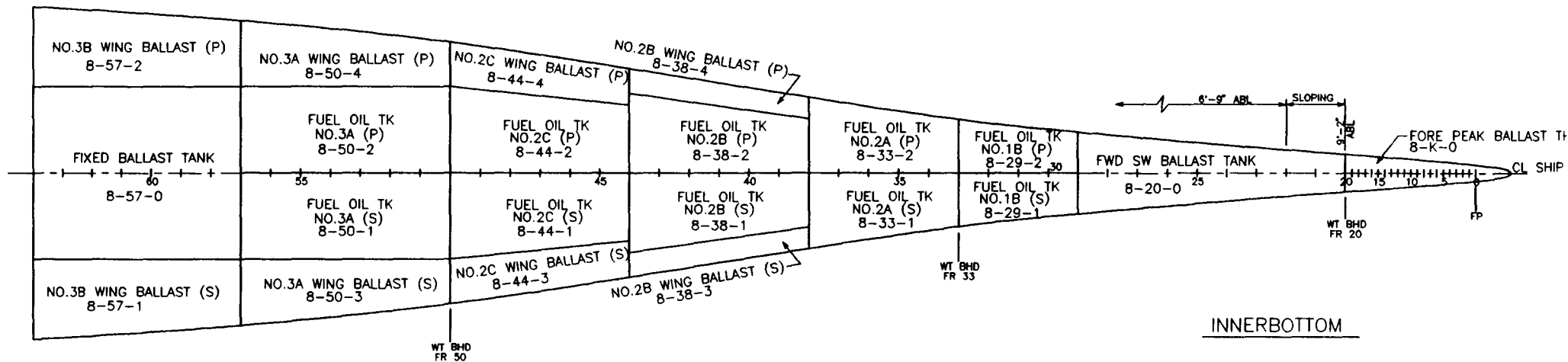
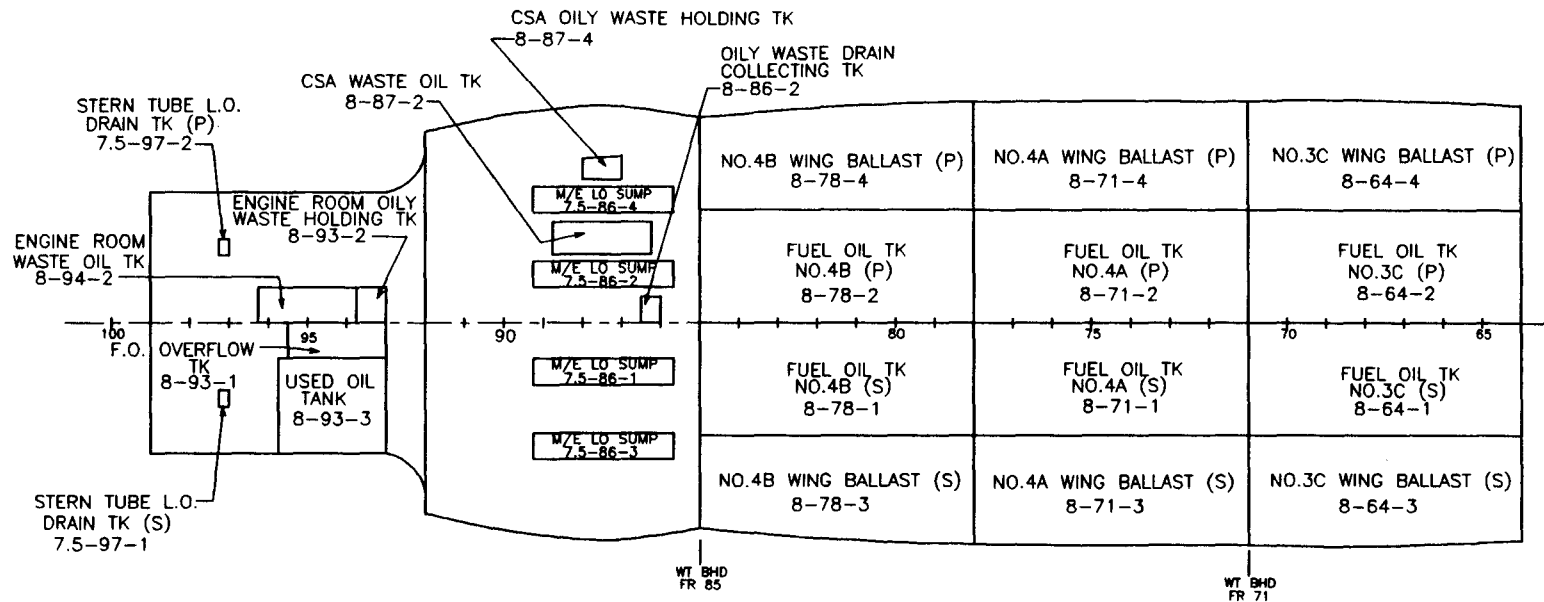
6. ALL CURVES EXCEPT THE VCG CURVE ARE TO BE READ AS FOLLOWS: DETERMINE THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE, READ ACROSS TO THE DESIRED CURVE, THEN READ UP OR DOWN TO THE APPROPRIATE SCALE.

THE VCG CURVE IS READ BY FIRST DETERMINING THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE AND THEN READ ACROSS TO THE CAPACITY CURVE. NEXT, READ DOWN TO THE VCG CURVE AND THEN BACK TO THE "HEIGHT ABOVE KEEL" SCALE.

THE CONVERSION OF CURVE READINGS IS DETERMINED BY USING THE CORRESPONDING SCALING VALUES IN THE LOWER RIGHT CORNER OF EACH PLOT.

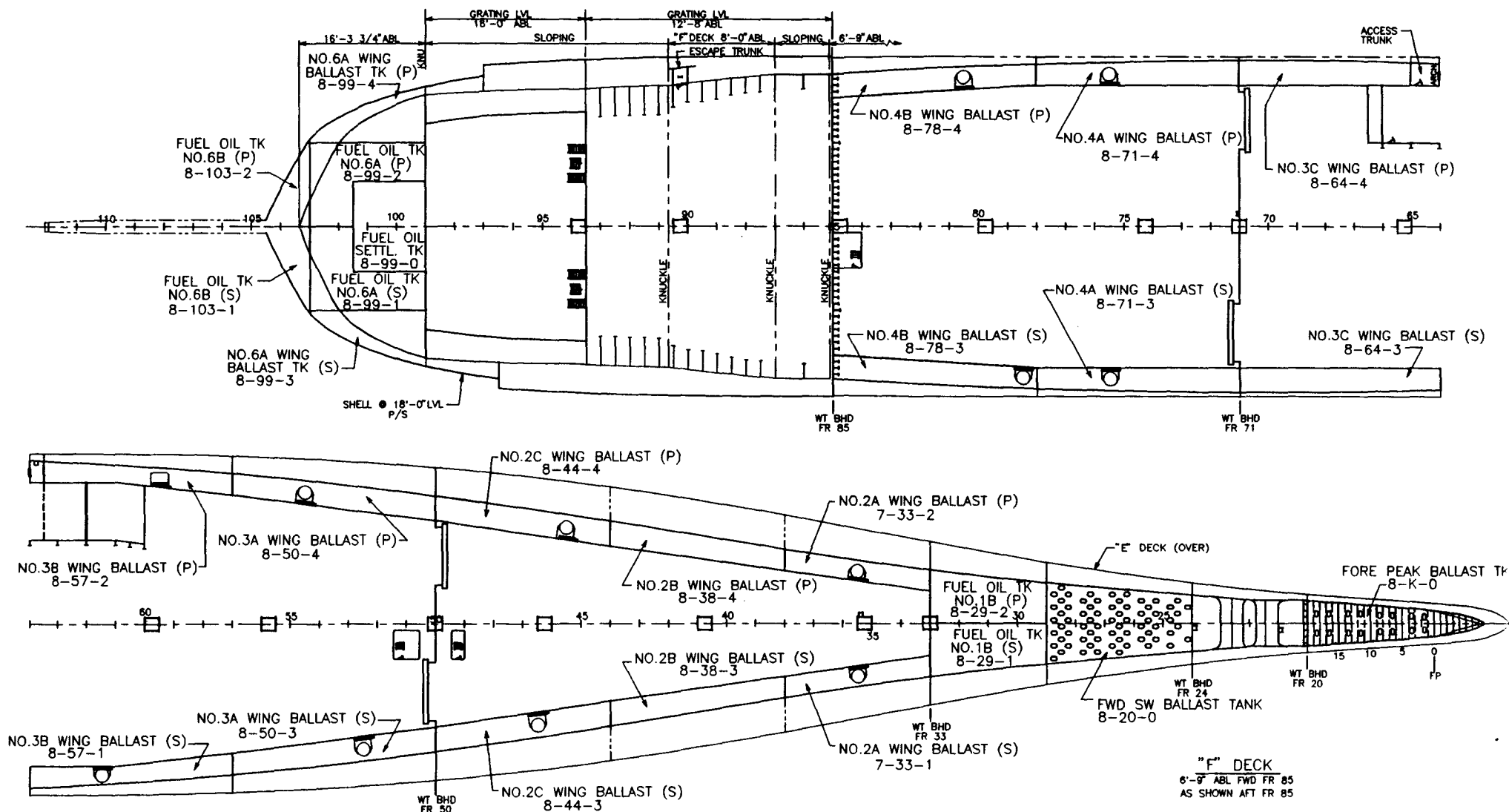
REVISIONS	SIZE B	AVONDALE DWG NO C3-222	29-01-02	REV B
		CAGE 94421	DWG NO COMSC 085-6975303	
			SH NO	4

										REVISIONS													
										REV		SH ZN		DESCRIPTION									
										A				1. ADDED RESERVATION NO. 1. 2. REVISED BOOKLET COMPLETELY TO SUIT DEVELOPMENT.									
																			BY: A.R. 6/26/97 APVD: D.F.N. 6/27/97				
										B				1. RELEASED RESV. NO.1 BY ADDING SOUNDING TUBE DESCRIPTIONS.									
																			BY: A.R. 8/27/97 APVD: <i>Booklet</i> 8/27/97				



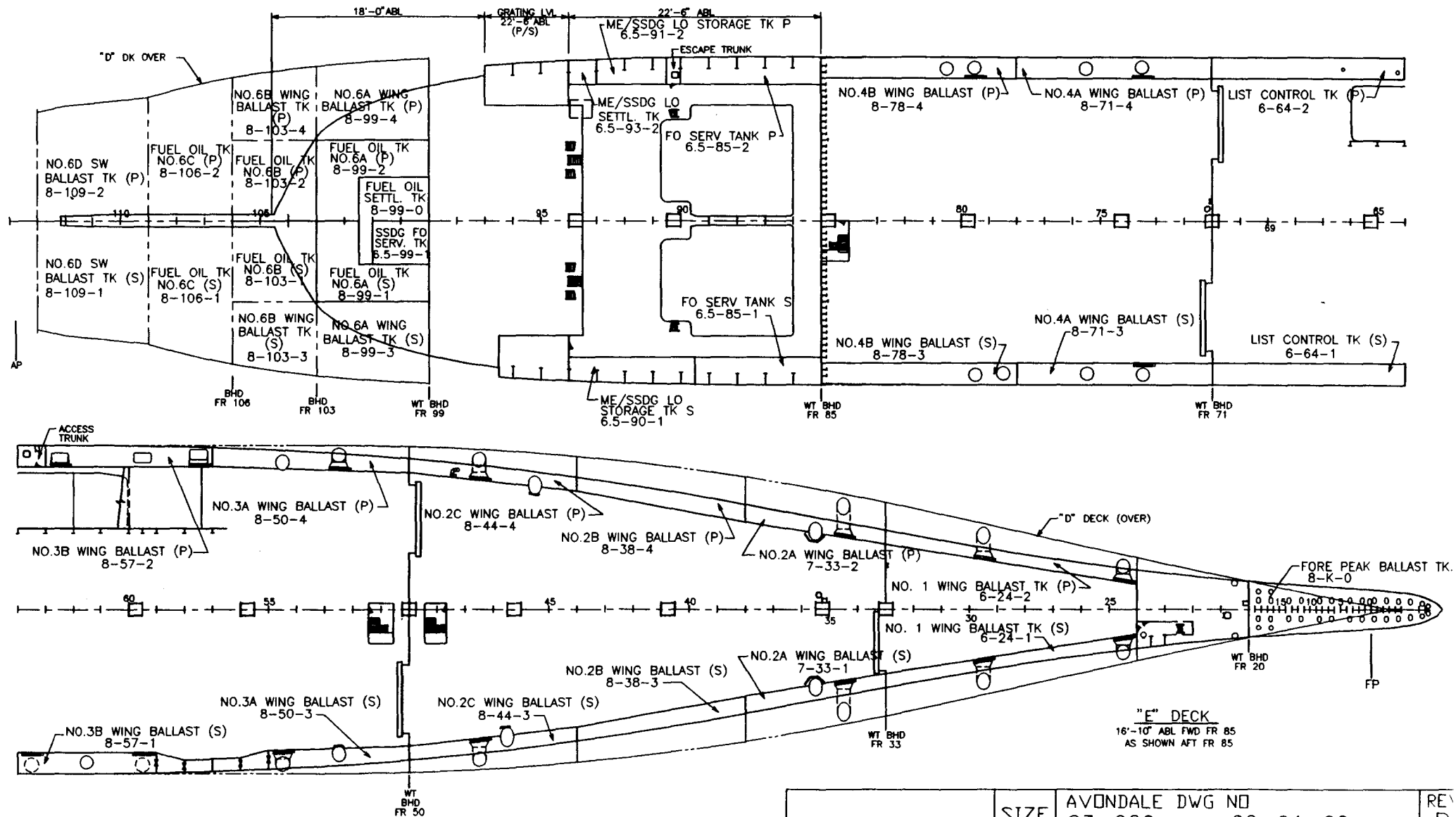
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV E
	B	C3-222	29-01-02	
		CAGE 94421	DWG NO COMSC 085-6975303	
			SH NO 6	



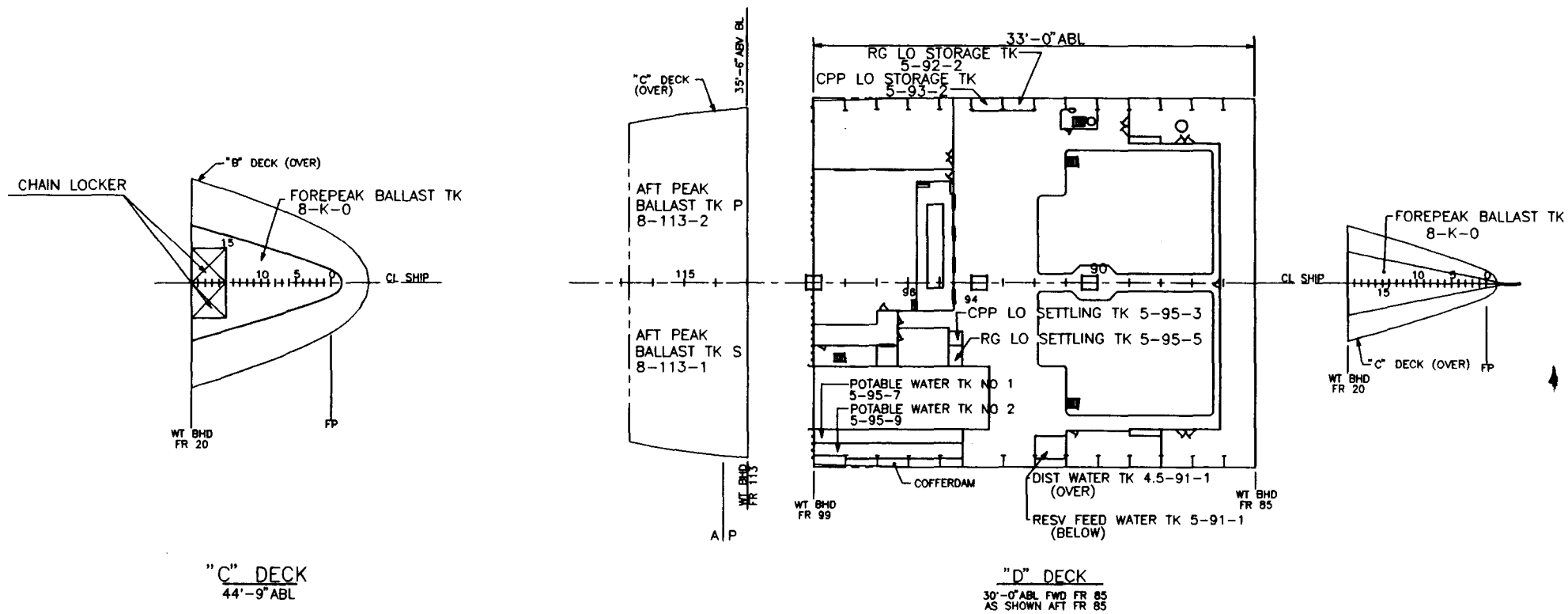
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		RE E
	B	C3-222	29-01-02	
	CAGE	DWG NO		
	94421	COMSC	085-6975303	
			SH NO	7



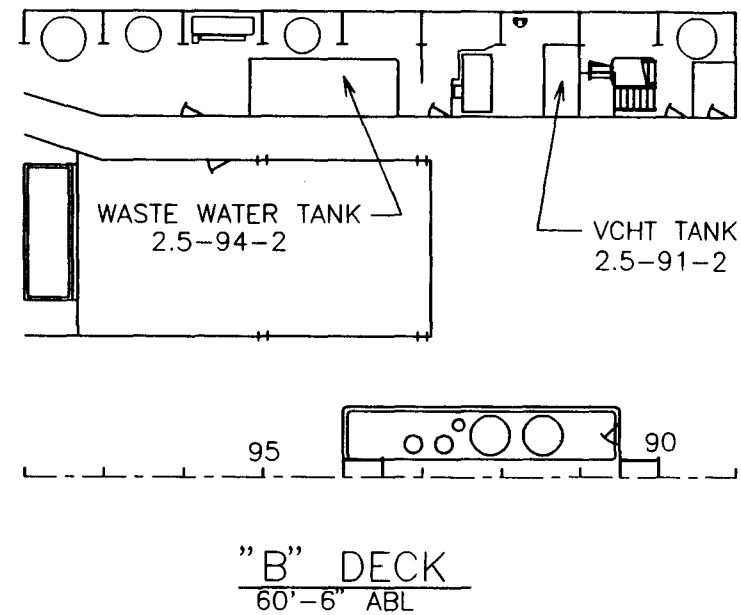
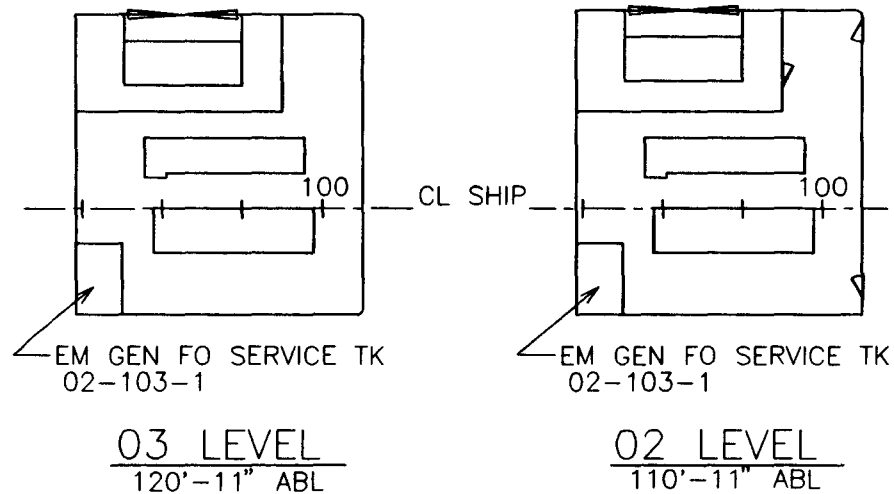
KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
	B	C3-222 29-01-02		B
		CAGE	DWG NO	
	94421	COMSC 085-6975303		
			SH NO 8	



KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV
	B	C3-222	29-01-02	
	CAGE	DWG NO		
	94421	COMSC 085-6975303		
		SH NO		9



KEY PLAN

REVISIONS	SIZE	AVONDALE DWG NO		REV B
	B	C3-222	29-01-02	
	CAGE	DWG NO		
	94421	COMSC	085-6975303	
			SH NO	10

BALLAST TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
FOREPEAK	8-K-0	STEM-20	326785	36.98	18.54	0.00	9415.0
FWD SW BALLAST TK	8-20-0	20-29	134879	9.55	95.19	-0.02	3338.7
NO 1 WING BALLAST TK P	6-24-2	24-33	52493	24.68	120.74	19.24	718.4
NO 1 WING BALLAST TK S	6-24-1	24-33	54265	24.49	120.19	-19.12	719.5
NO 2A WING BALLAST TK P	7-33-2	33-38	74305	18.85	180.34	24.95	515.4
NO 2A WING BALLAST TK S	7-33-1	33-38	74749	18.75	180.32	-24.88	533.5
NO 2B WING BALLAST TK P	8-38-4	38-44	108367	17.62	228.83	31.90	887.6
NO 2B WING BALLAST TK S	8-38-3	38-44	108367	17.62	228.83	-31.90	887.6
NO 2C WING BALLAST TK P	8-44-4	44-50	103007	15.61	283.22	37.61	802.7
NO 2C WING BALLAST TK S	8-44-3	44-50	102877	15.58	282.90	-37.63	764.8
NO 3A WING BALLAST TK P	8-50-4	50-57	124786	13.78	341.87	41.46	816.0
NO 3A WING BALLAST TK S	8-50-3	50-57	122339	13.57	341.65	-41.41	816.0
NO 3B WING BALLAST TK P	8-57-2	57-64	121702	11.13	403.27	42.28	1786.4
NO 3B WING BALLAST TK S	8-57-1	57-64	127398	11.27	404.93	-42.61	1786.4
NO 3C WING BALLAST TK P	8-64-4	64-71	103286	6.44	469.27	40.92	2414.6
NO 3C WING BALLAST TK S	8-64-3	64-71	108876	6.73	467.80	-41.29	2414.6
NO 4A WING BALLAST TK P	8-71-4	71-78	143013	11.15	530.14	43.28	2350.3
NO 4A WING BALLAST TK S	8-71-3	71-78	144204	11.15	530.12	-43.33	2350.3
NO 4B WING BALLAST TK P	8-78-4	78-85	137277	11.83	593.94	42.85	1839.0
NO 4B WING BALLAST TK S	8-78-3	78-85	138709	11.87	594.35	-42.90	1839.0
NO 6A WING BALLAST TK P	8-99-4	99-103	79092	24.73	767.41	36.11	1330.7
NO 6A WING BALLAST TK S	8-99-3	99-103	79092	24.73	767.41	-36.11	1330.7
NO 6B WING BALLAST TK P	8-103-4	103-106	33054	27.07	799.08	34.53	682.5
NO 6B WING BALLAST TK S	8-103-3	103-106	33054	27.07	799.08	-34.53	682.5
NO 6D SW BALLAST TK P	8-109-2	109-113	36960	30.62	857.13	12.12	1714.8
NO 6D SW BALLAST TK S	8-109-1	109-113	36960	30.62	857.13	-12.12	1714.8
AFT PEAK BALLAST TK P	8-113-2	113-117	92901	39.83	893.02	19.17	6929.8
AFT PEAK BALLAST TK S	8-113-1	113-117	92901	39.83	893.02	-19.17	6929.8
TOTALS			2895698	19.07	404.32	-0.21	58311.4

FRESH WATER TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
POTABLE WATER TANK NO 1	5-95-7	94-99	12706	38.90	729.75	-44.26	4.1
POTABLE WATER TANK NO 2	5-95-9	94-99	15827	38.94	729.07	-48.17	8.1
RESV FEED WATER TANK	5-91-1	91-92	2433	35.91	683.50	-47.21	5.5
DIST WATER TANK	4.5-91-1	91-92	2433	41.98	683.50	-47.21	5.5
TOTALS			33399	38.93	722.69	-46.54	23.2

LIST CONTROL TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
LIST CONTROL TANK P 6-64-2	64-71	42076	23.48	467.50	49.46	48.7
LIST CONTROL TANK S 6-64-1	64-71	42076	23.48	467.50	-49.46	48.7
TOTALS		84152	23.48	467.50	0.00	97.4

FIXED BALLAST TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FIXED BALLAST TANK 8-57-0	57-64	162126	3.45	404.50	0.0	0.0
TOTALS		162126	3.45	404.50	0.0	0.0

REVISIONS	SIZE	AVONDALE DWG NO		REV B
	B	C3-222	29-01-02	
		CAGE 94421	DWG NO COMSC 085-6975303	
				SH NO 11

FUEL OIL TANK SUMMARY								
TANK		FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)
					VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FUEL OIL TANK NO 1 P	8-29-2	29-33	66501	65173	9.95	139.78	8.43	757.3
FUEL OIL TANK NO 1 S	8-29-1	29-33	66501	65173	9.95	139.78	-8.43	757.3
FUEL OIL TANK NO 2A P	8-33-2	33-38	30620	30007	3.96	180.92	7.52	679.7
FUEL OIL TANK NO 2A S	8-33-1	33-38	30620	30007	3.96	180.92	-7.52	679.7
FUEL OIL TANK NO 2B P	8-38-2	38-44	48679	47705	3.65	230.86	9.48	915.9
FUEL OIL TANK NO 2B S	8-38-1	38-44	48679	47705	3.65	230.86	-9.48	915.9
FUEL OIL TANK NO 2C P	8-44-2	44-50	60550	59337	3.46	284.21	11.45	1349.7
FUEL OIL TANK NO 2C S	8-44-1	44-50	60550	59337	3.46	284.21	-11.45	1349.7
FUEL OIL TANK NO 3A P	8-50-2	50-57	80829	79212	3.39	341.56	12.97	2136.6
FUEL OIL TANK NO 3A S	8-50-1	50-57	80829	79212	3.39	341.56	-12.97	2136.6
FUEL OIL TANK NO 3C P	8-64-2	64-71	81063	79442	3.38	467.50	13.00	2136.6
FUEL OIL TANK NO 3C S	8-64-1	64-71	81063	79442	3.38	467.50	-13.00	2136.6
FUEL OIL TANK NO 4A P	8-71-2	71-78	81063	79442	3.38	530.50	13.00	2136.6
FUEL OIL TANK NO 4A S	8-71-1	71-78	81063	79442	3.38	530.50	-13.00	2136.6
FUEL OIL TANK NO 4B P	8-78-2	78-85	80921	79303	3.38	593.45	12.98	2126.2
FUEL OIL TANK NO 4B S	8-78-1	78-85	80921	79303	3.38	593.45	-12.98	2126.2
FUEL OIL TANK NO 6A P	8-99-2	99-103	75747	74232	23.02	771.74	16.07	705.8
FUEL OIL TANK NO 6A S	8-99-1	99-103	75747	74232	23.02	771.74	-16.07	705.8
FUEL OIL TANK NO 6B P	8-103-2	103-106	65123	63821	25.04	799.72	12.60	915.7
FUEL OIL TANK NO 6B S	8-103-1	103-106	65123	63821	25.04	799.72	-12.60	915.7
FUEL OIL TANK NO 6C P	8-106-2	106-109	57393	56245	27.61	825.97	17.25	4225.2
FUEL OIL TANK NO 6C S	8-106-1	106-109	57393	56245	27.61	825.97	-17.25	4225.2
SSDG FO SERVICE TANK	6.5-99-1	99-101	12010	11770	28.26	760.00	-7.00	95.3
FUEL OIL SETTLING TANK	8-99-0	99-102	76446	74917	20.76	762.17	1.03	953.2
FUEL OIL SERVICE TK P	6.5-85-2	85-90	30837	30221	27.72	647.49	48.45	61.4
FUEL OIL SERVICE TK S	6.5-85-1	85-90	27764	27209	27.72	645.25	-48.45	55.3
EM GEN FO SERVICE TK	02-103-1	102-103	2566	2515	120.49	785.12	-8.00	5.2
TOTALS			1606601	1574470	11.40	512.14	0.08	37341.0

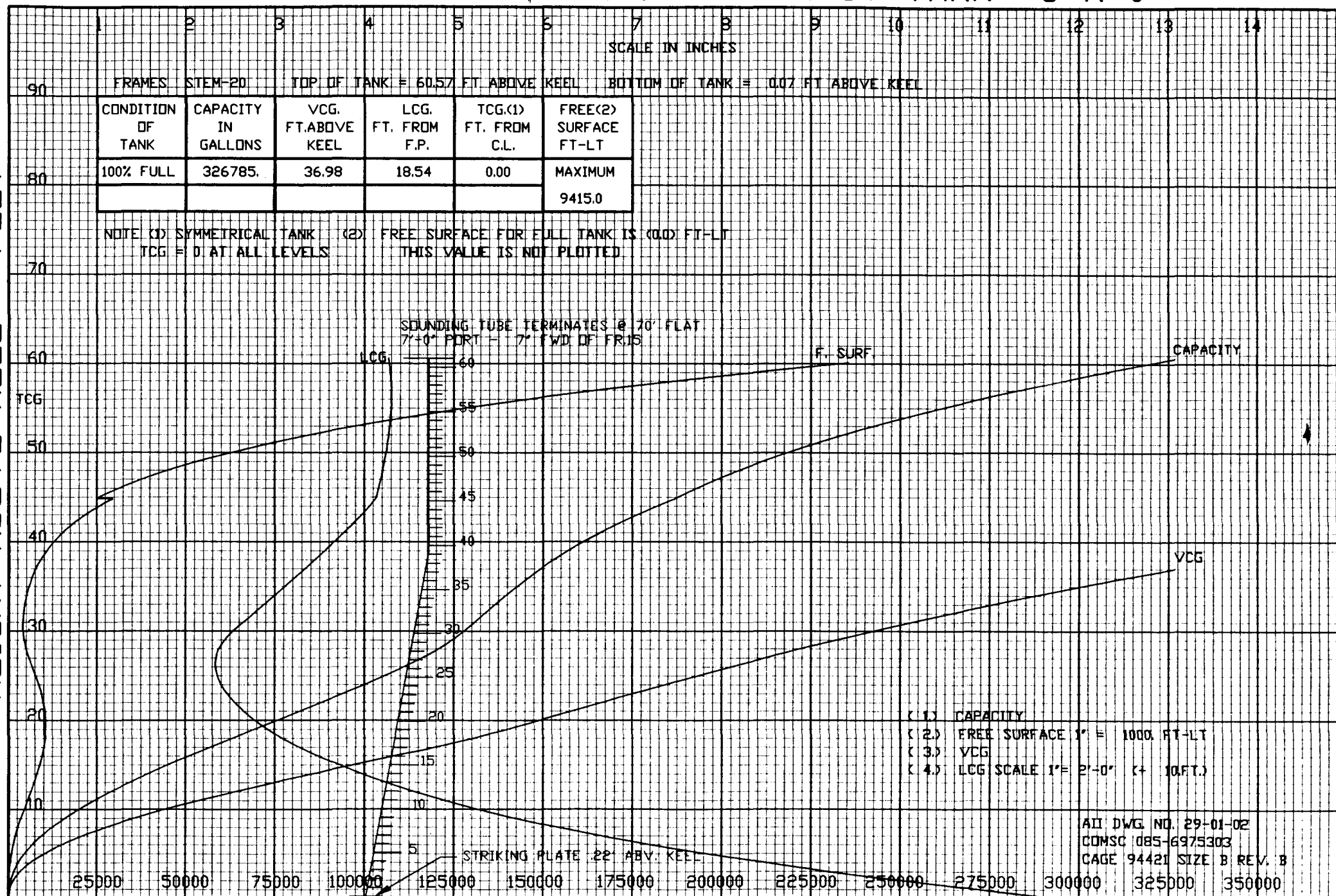
TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CAPACITY 98% FULL (GALLONS)	CENTERS @ 98%			MAX FREE SURF (FT-LT)
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
ME/SSDG LO STORAGE TK P 6.5-91-2	91-93	15237	14933	27.76	685.72	48.40	33.2
ME/SSDG LO STORAGE TK S 6.5-90-1	90-94	27389	26852	27.77	685.63	-48.39	59.9
ME/SSDG LO SETTLING TK P 6.5-93-2	93-94	5990	5870	27.81	701.49	48.33	13.3
CPP LO STORAGE TANK	5-93-2	2765	2710	38.83	701.50	51.12	0.9
CPP LO SETTLING TANK	5-95-3	587	575	35.52	710.50	-16.00	0.5
RG LO STORAGE TANK	5-92-2	2776	2721	38.83	692.50	51.12	0.9
RG LO SETTLING TANK	5-95-5	1408	1380	36.99	710.50	-21.00	1.8
ME LO SUMP TK S	7.5-86-1	5664	5551	8.14	643.36	-11.00	11.9
ME LO SUMP TK P	7.5-86-2	5664	5551	8.14	643.36	11.00	11.9
ME LO SUMP TK S	7.5-86-3	5659	5546	8.14	643.36	-28.17	11.9
ME LO SUMP TK P	7.5-86-4	5659	5546	8.14	643.36	28.17	11.9
TOTALS		78798	77235	23.13	676.13	-0.69	158.1

TANK	FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
CSA WASTE OIL TANK	8-87-2	86-89	9067	8886	4.23	647.31	19.54	18.0
CSA OILY WASTE HOLDING TANK	8-87-4	87-88	2073	2031	5.03	647.36	35.61	2.6
ENGINE ROOM WASTE OIL TANK	8-94-2	94-97	8199	8035	8.77	714.88	4.04	23.2
ENGINE ROOM OILY WASTE HOLDING TK	8-93-2	93-94	2418	2369	7.14	700.33	4.04	7.0
OILY WASTE DRAIN COLLECTING TANK	8-86-2	86-87	627	615	5.97	636.26	3.00	1.9
USED OIL TANK	8-93-3	93-96	26453	25917	8.47	709.13	-21.09	1041.8
FO OVERFLOW TANK	8-93-1	93-96	8209	8045	8.03	708.11	-4.04	23.2
STERN TUBE LO DRAIN TANK P	7.5-97-2	97-98	103	101	11.23	734.13	17.58	0.3
STERN TUBE LO DRAIN TANK S	7.5-97-1	97-98	103	101	11.23	734.13	-17.58	0.3
VCHT TANK	2.5-91-2	91-92	2352	2305	67.26	681.01	45.17	5.5
WASTE WATER TANK	2.5-94-2	94-95	11707	11473	70.33	708.05	44.25	10.9
TOTALS			71311	69878	21.82	698.27	6.19	1134.7

REVISIONS	SIZE B	AVONDALE DWG NO C3-222 29-01-02		REV B
		CAGE 94421	DWG NO COMSC 085-6975303	
			SH NO 12	

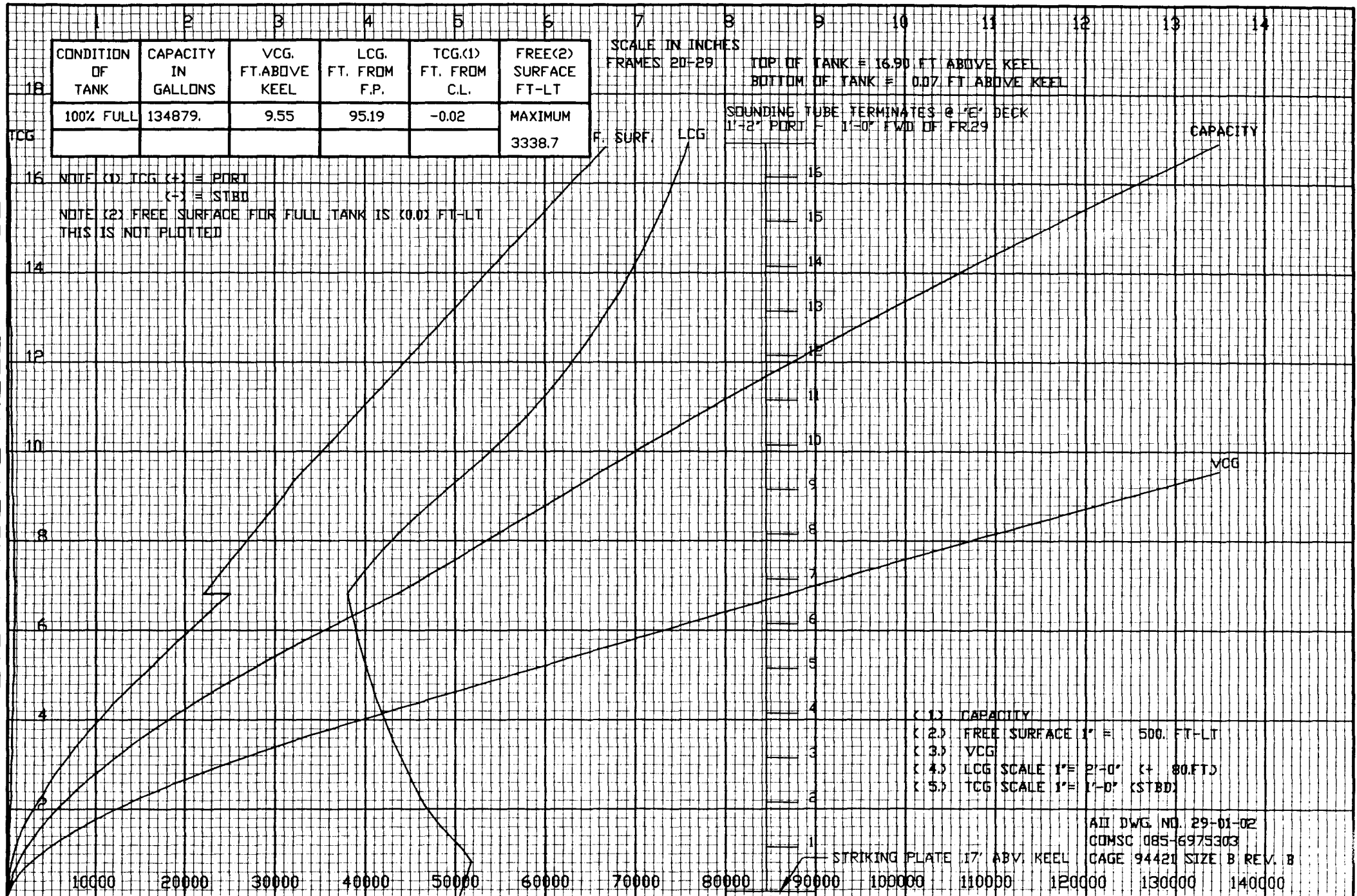
TANK: FOREPEAK BALLAST TANK 8-K-0

HEIGHT ABOVE KEEL - FEET



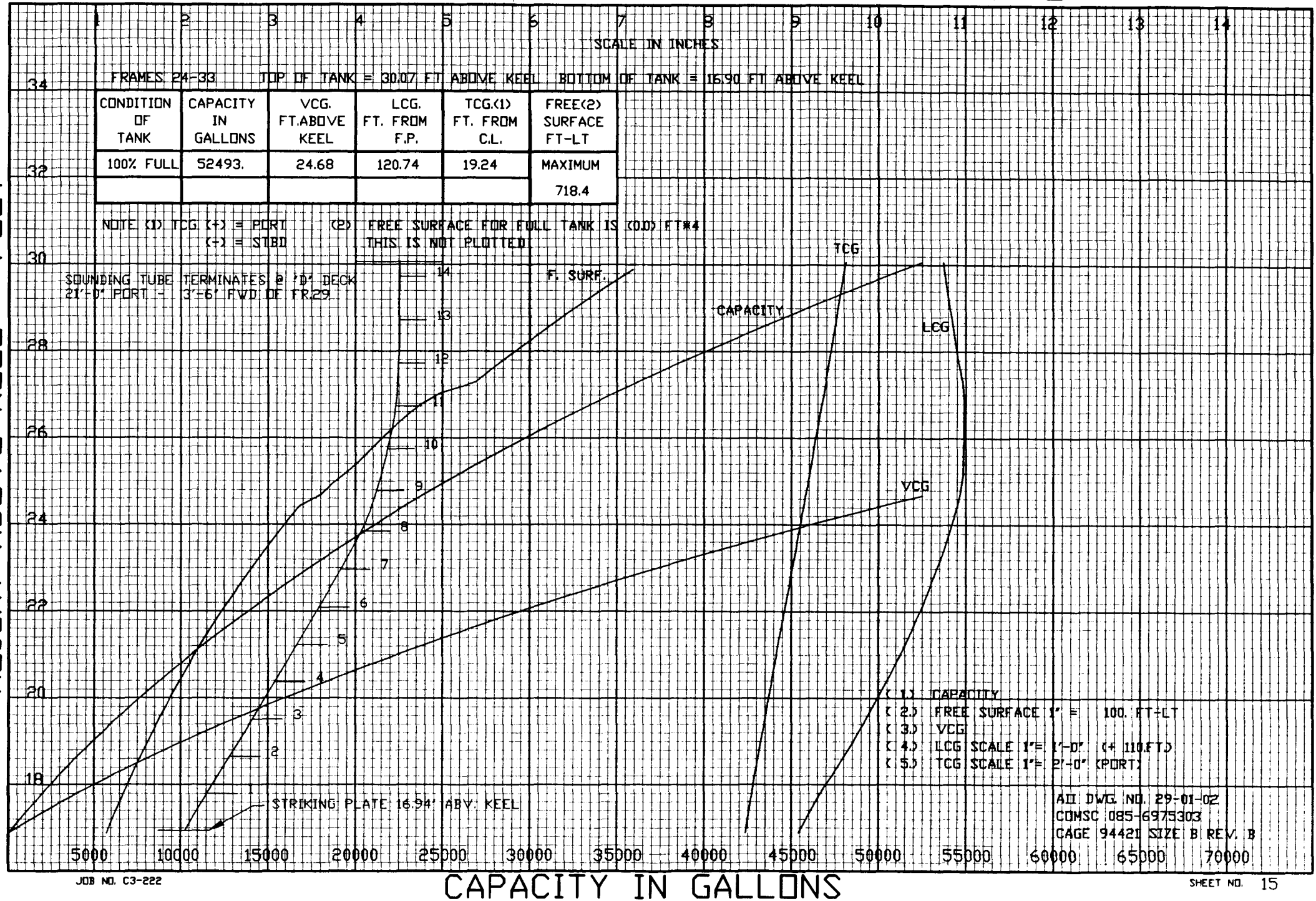
TANK: FWD SW BALLAST TANK 8-20-0

HEIGHT ABOVE KEEL - FEET



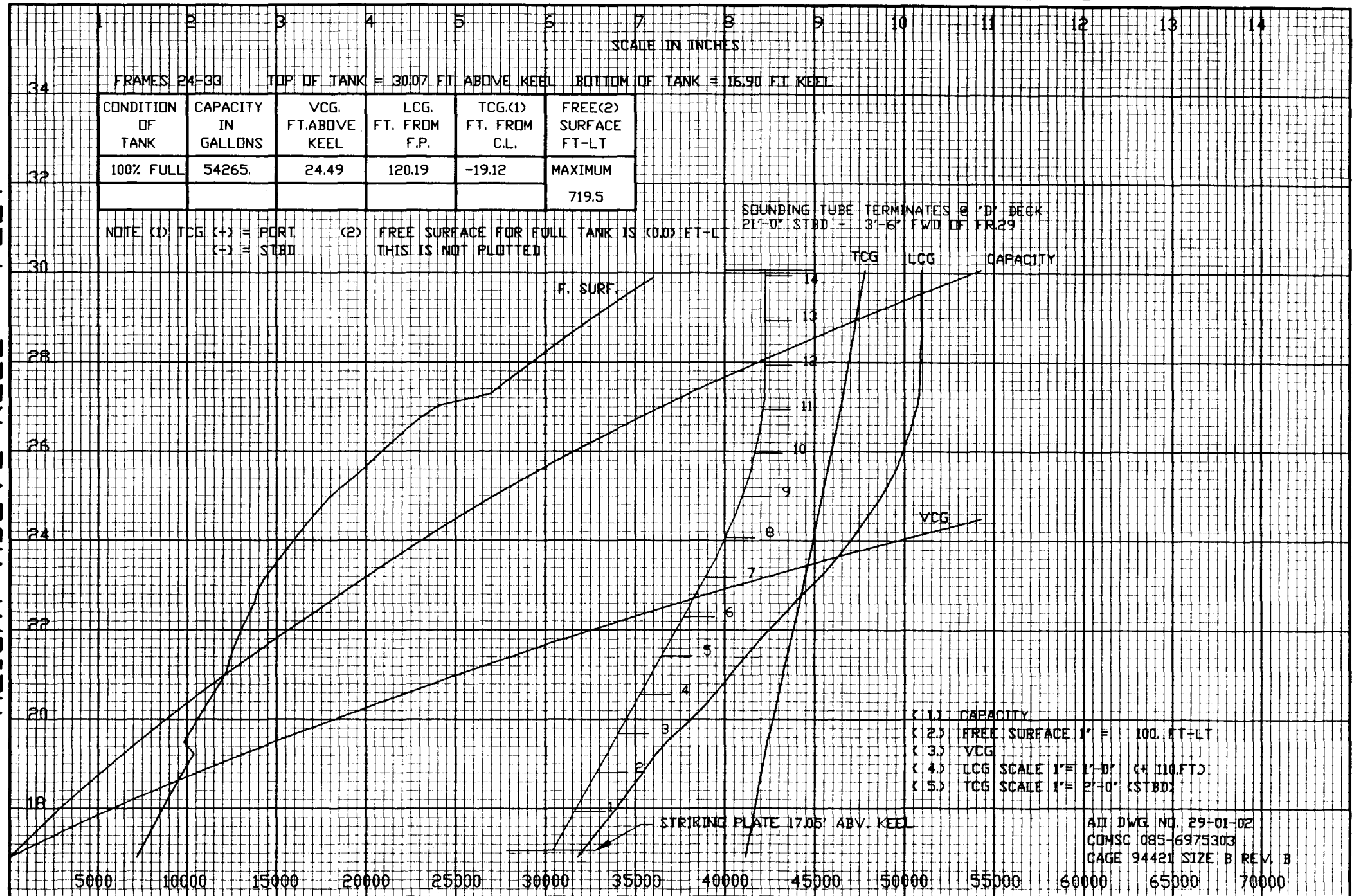
TANK: NO 1 WING BALLAST TANK P 6-24-2

HEIGHT ABOVE KEEL - FEET



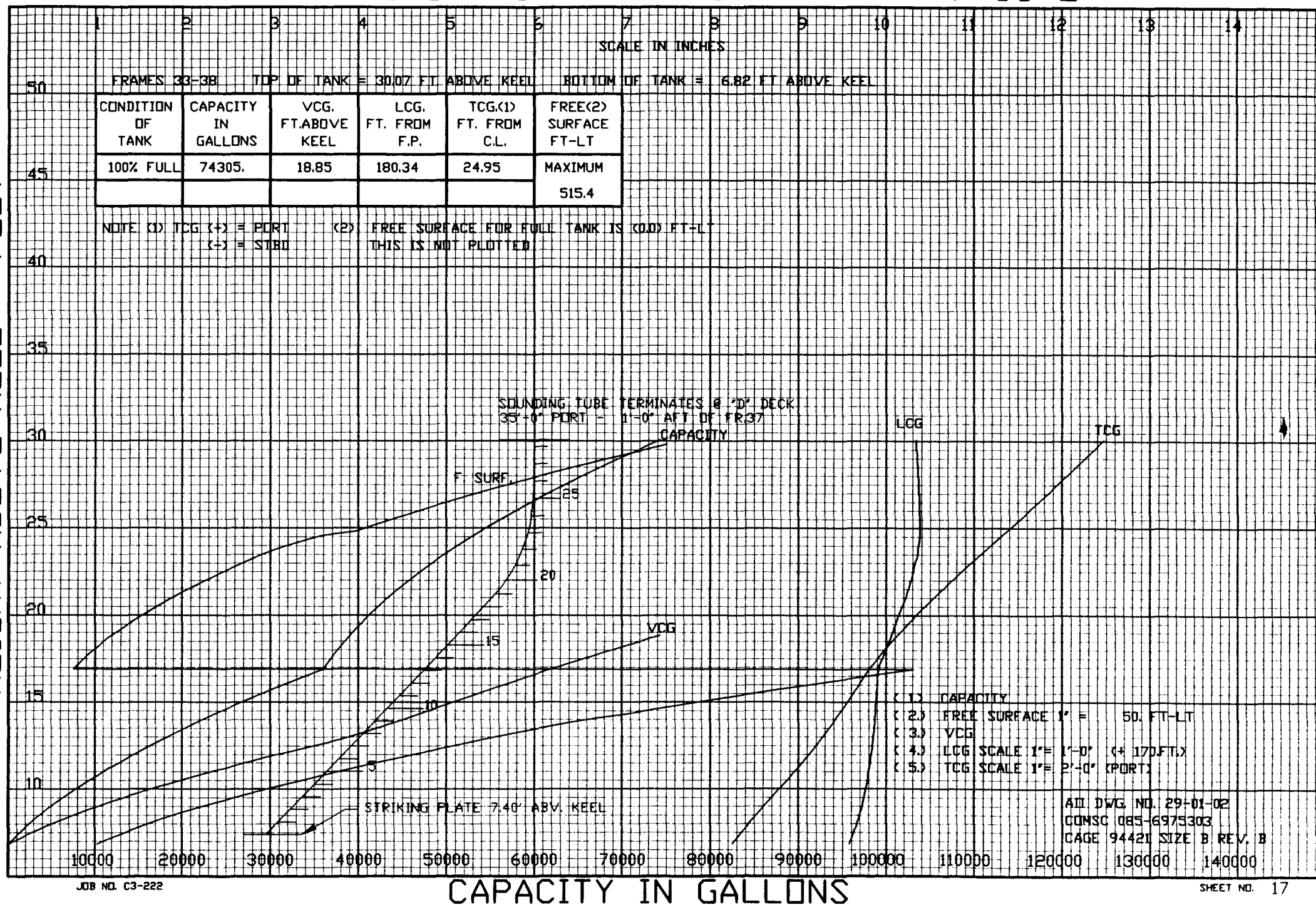
TANK: NO 1 WING BALLAST TANK S 6-24-1

HEIGHT ABOVE KEEL - FEET



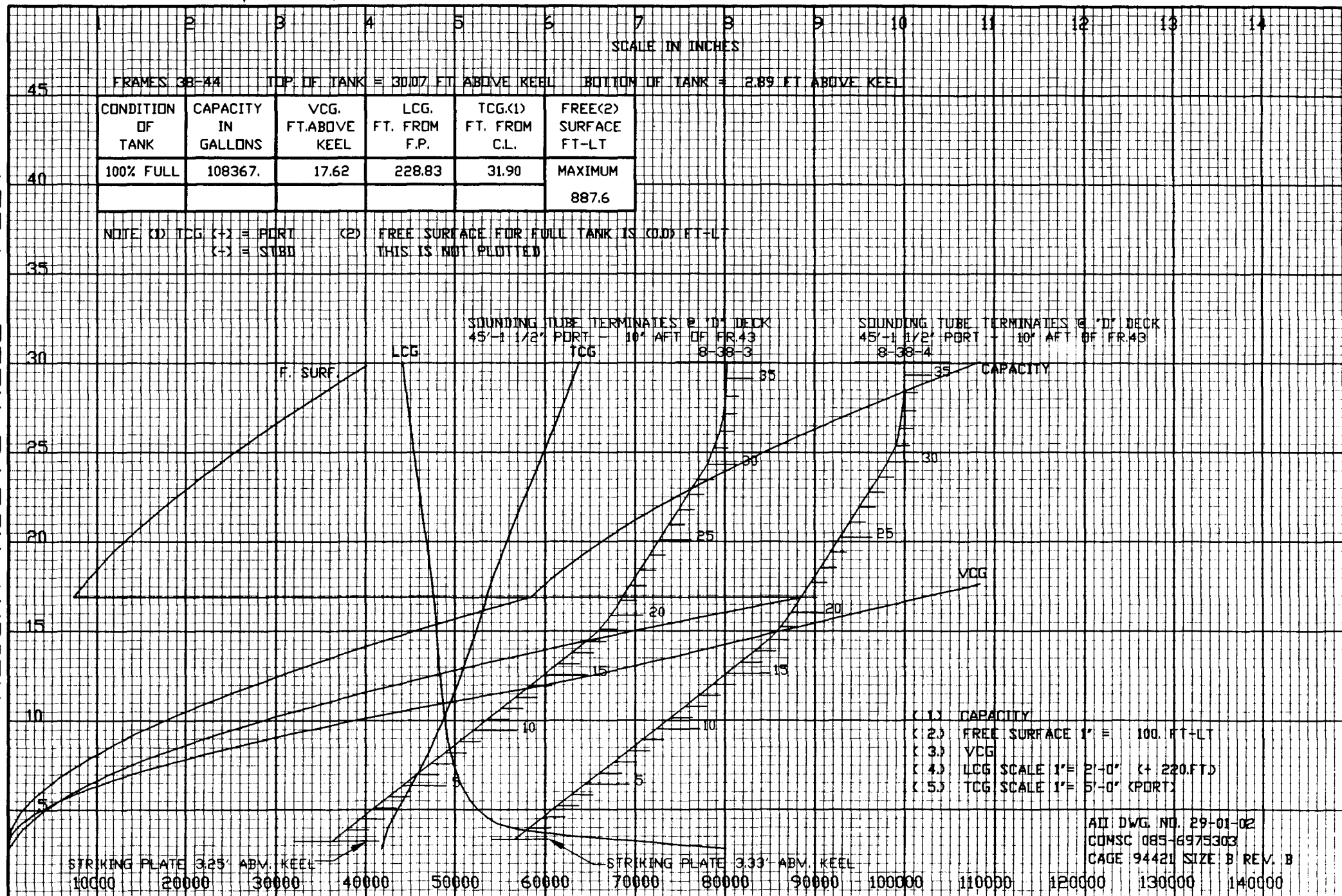
TANK: NO 2A WING BALLAST TANK P 7-33-2

HEIGHT ABOVE KEEL - FEET



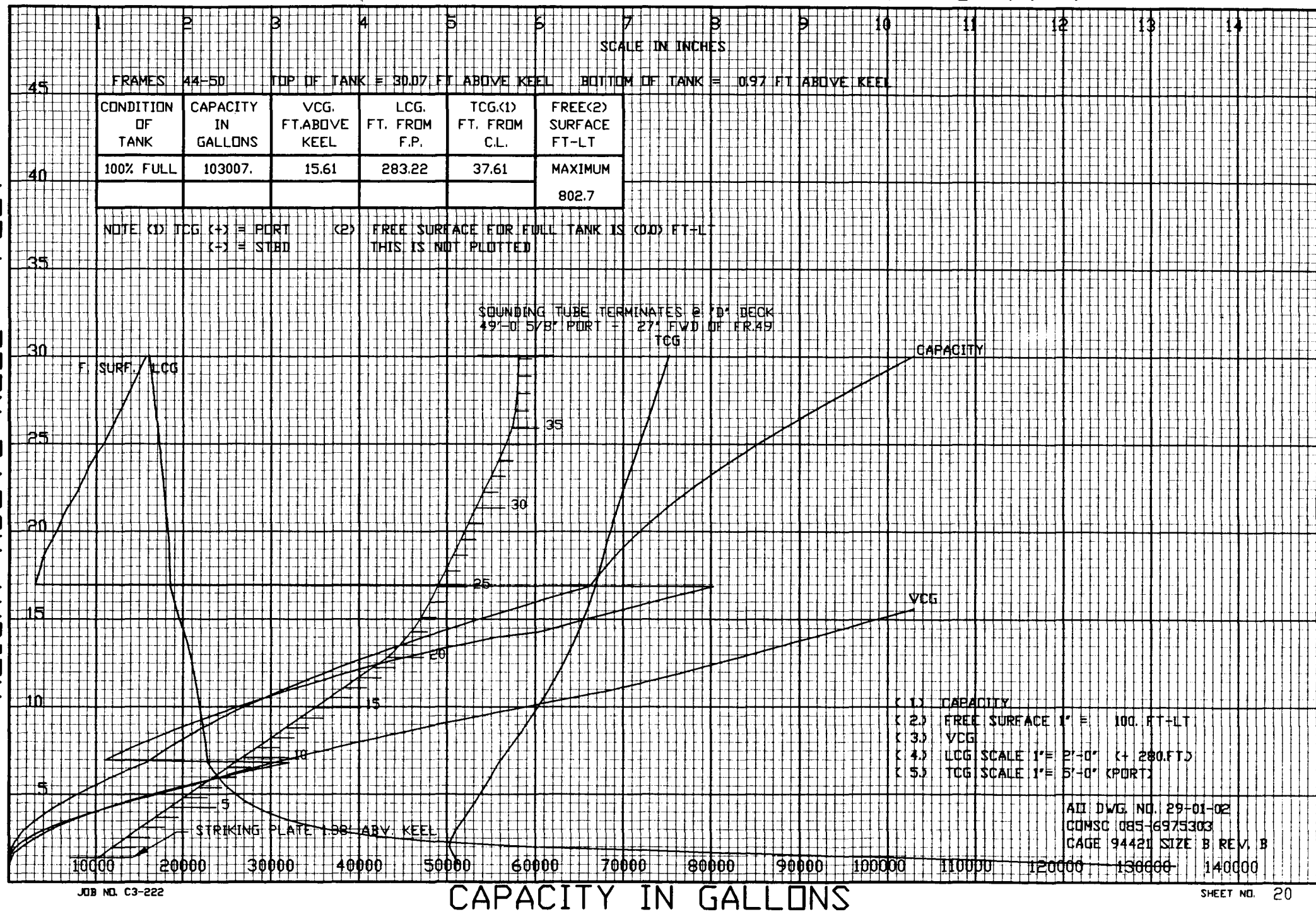
TANK: NO 2B WING BALLAST TANK P OR S 8-38-4/3

HEIGHT ABOVE KEEL - FEET



TANK: NO 2C WING BALLAST TANK P 8-44-4

HEIGHT ABOVE KEEL - FEET



TANK: NO 2C WING BALLAST TANK S 8-44-3

HEIGHT ABOVE KEEL - FEET

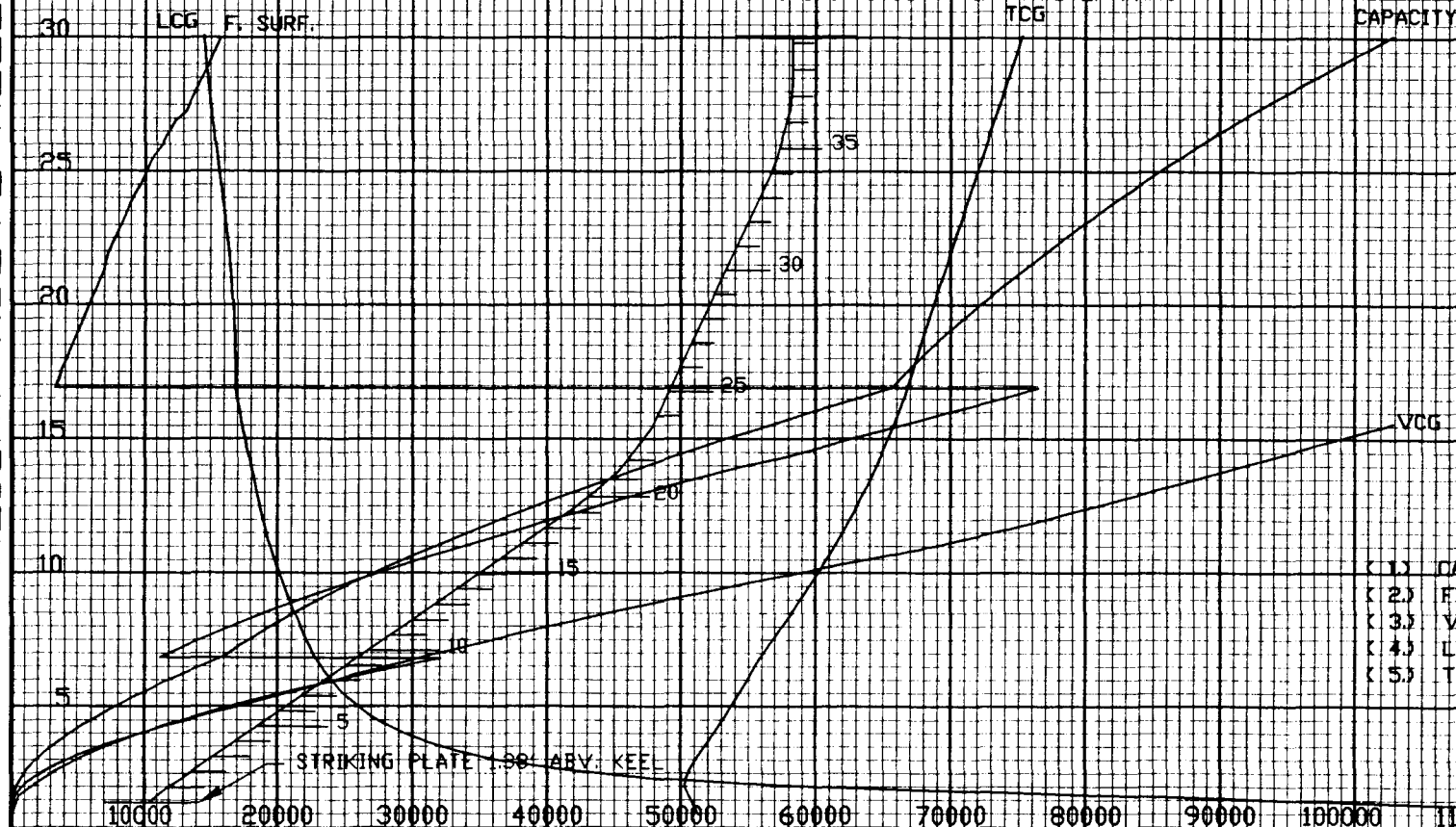
SCALE IN INCHES

FRAMES 44-50 TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.97 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	102877.	15.58	282.90	-37.63	MAXIMUM
					764.8

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 10' DECK
49'-0" 5/8" STBD = 27' FWD OF FR. 49



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 280. FT)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 3A WING BALLAST TANK P 8-50-4

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 50-57

TOP OF TANK = 30.07 FT ABOVE KEEL

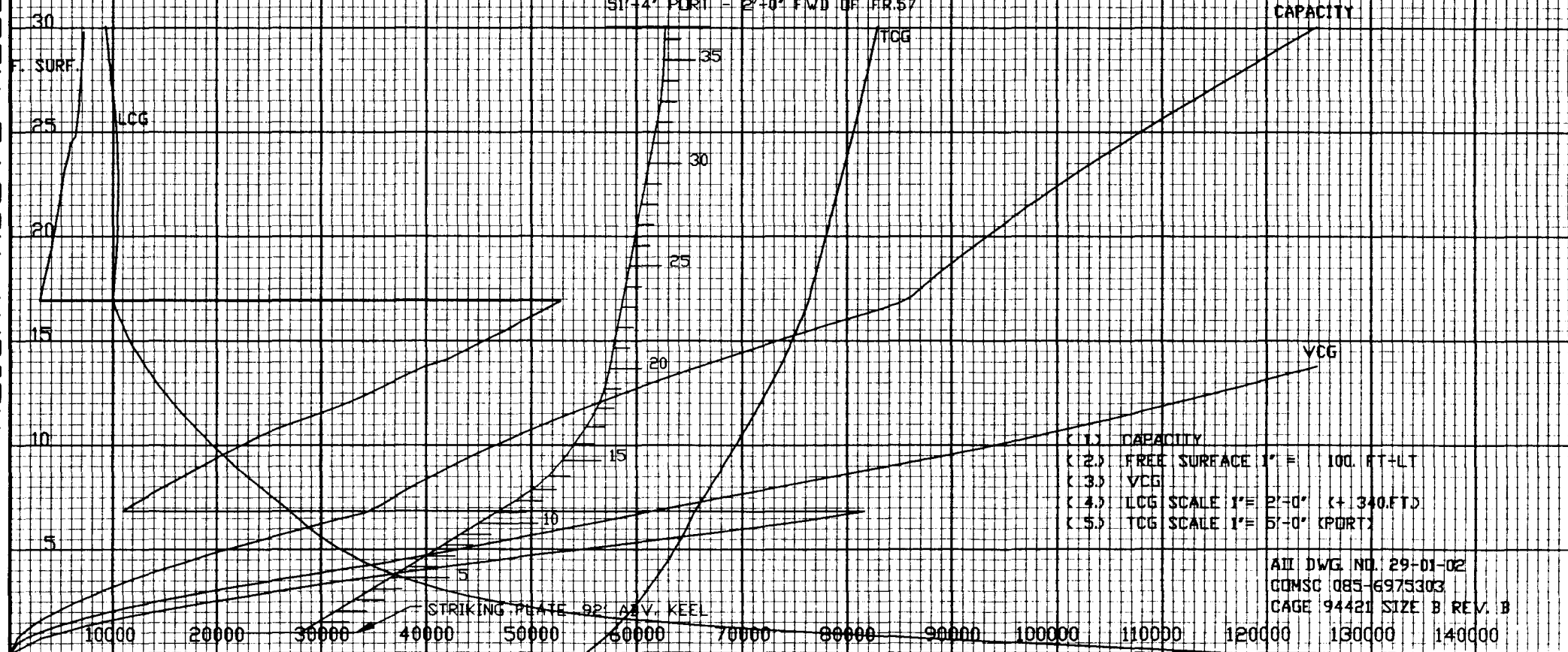
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	124786.	13.78	341.87	41.46	MAXIMUM
					816.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 1" DECK
51'-4" PORT = 2'-0" FWD OF FR.57



TANK: NO 3A WING BALLAST TANK S 8-50-3

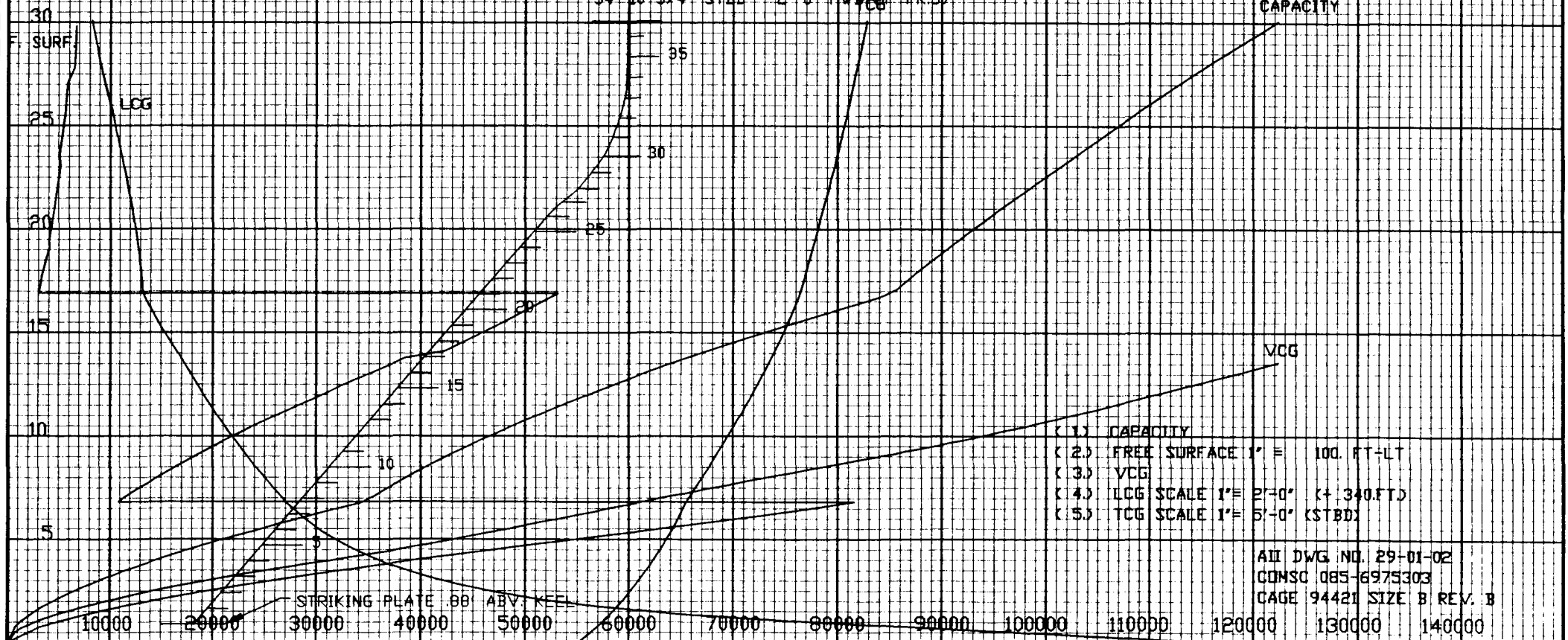
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES	50-57	TOP OF TANK = 30.07 FT ABOVE KEEL				BOTTOM OF TANK = 0.07 FT ABOVE KEEL
CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT	
100% FULL	122339	13.57	341.65	-41.41	MAXIMUM	
					816.0	

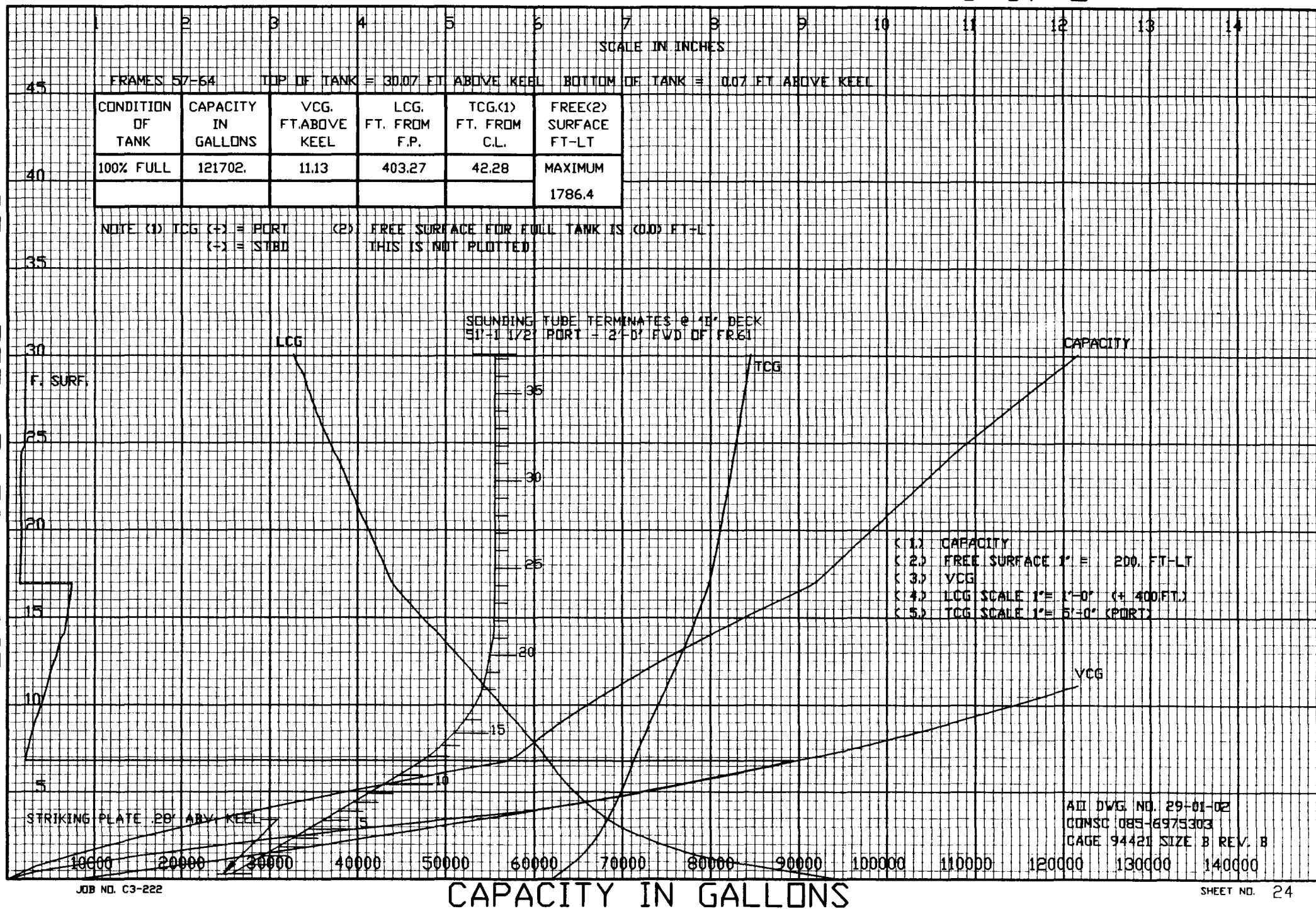
NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES 2' 0" DECK
54'-10" STBD - 2'-0" FWD OF FR. 57



TANK: NO 3B WING BALLAST TANK P 8-57-2

HEIGHT ABOVE KEEL - FEET



TANK: NO 3B WING BALLAST TANK S 8-57-1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 57-64

TOP OF TANK = 30.07 FT ABOVE KEEL

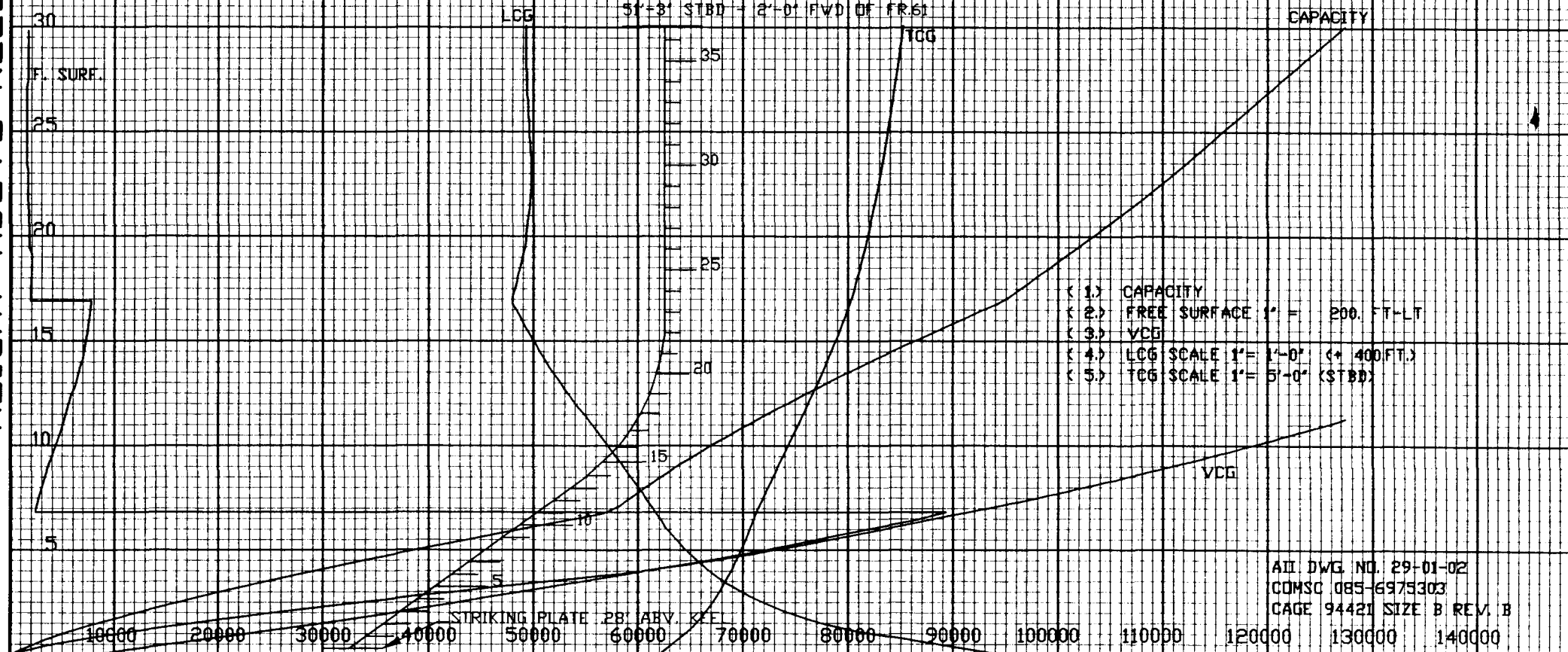
BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	127398.	11.27	404.93	-42.61	MAXIMUM
					1786.4

NOTE (1) TCG (+) = PORT
(-) = STBD

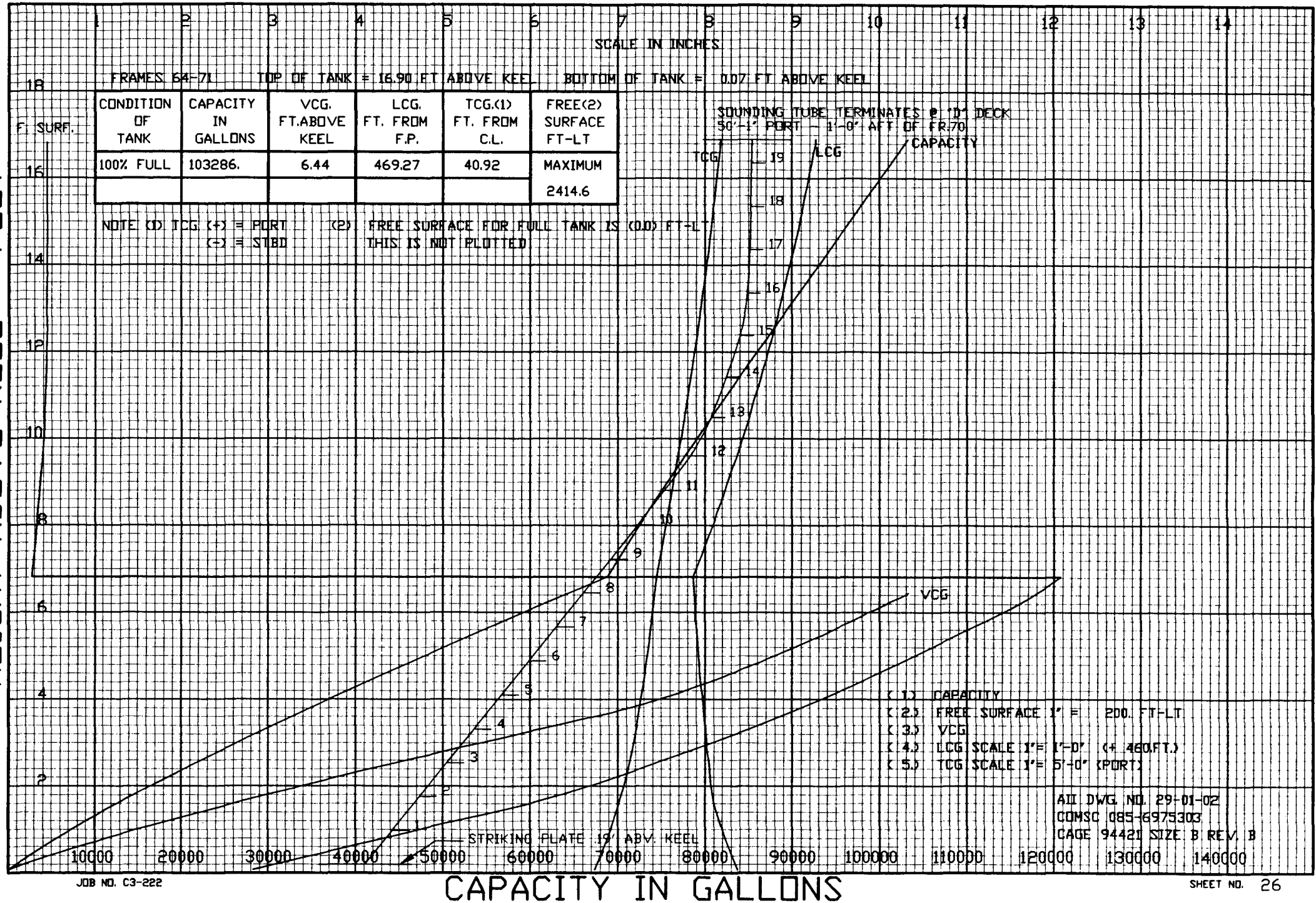
(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES 2' 0" DECK
5' 3" STBD - 2' 0" FWD OF FR. 61



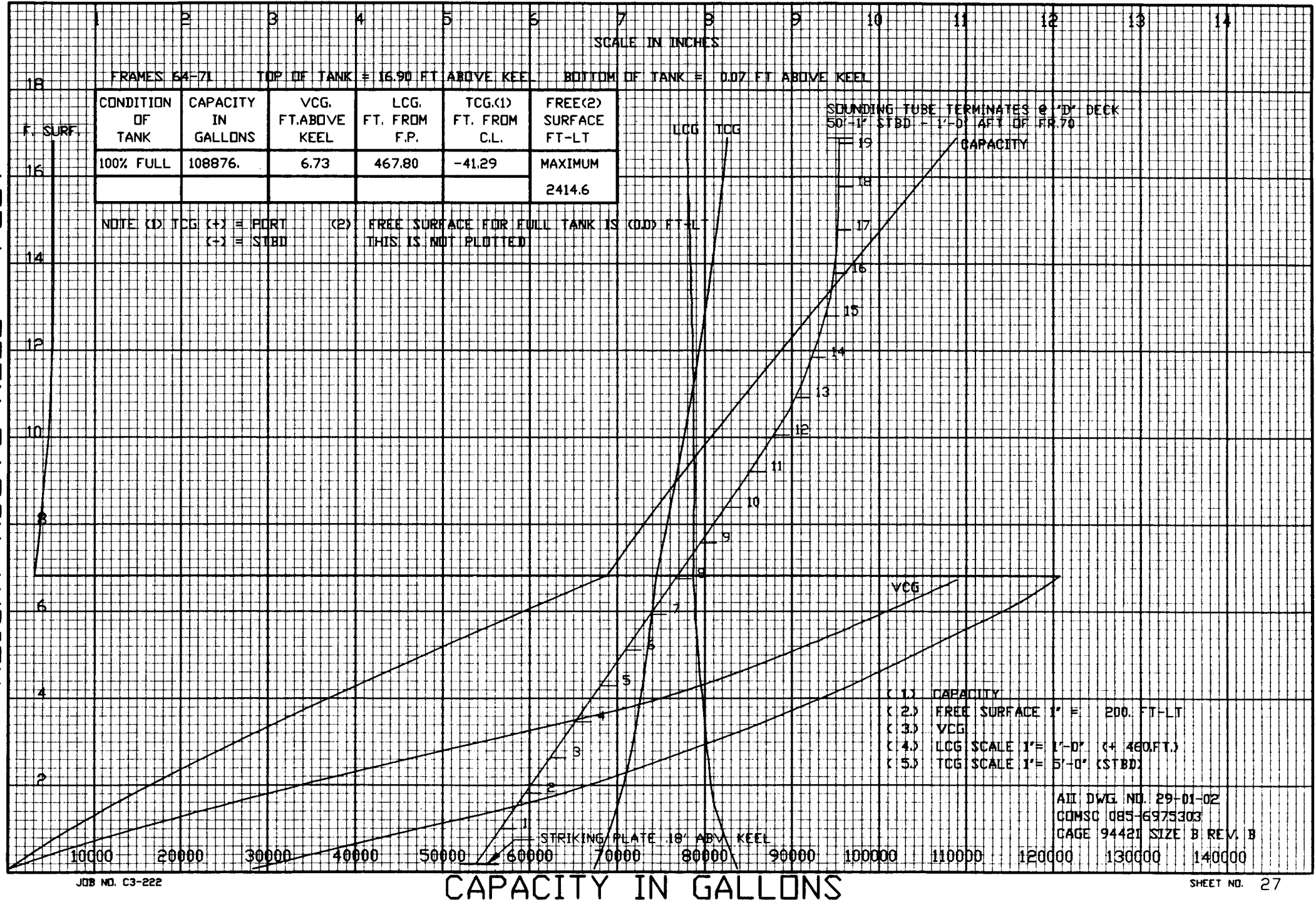
TANK: NO 3C WING BALLAST TANK P 8-64-4

HEIGHT ABOVE KEEL - FEET

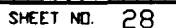


TANK: NO 3C WING BALLAST TANK S 8-64-3

HEIGHT ABOVE KEEL - FEET



HEIGHT ABOVE KEEL - FEET



TANK: NO 4A WING BALLAST TANK S 8-71-3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 71-78

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	144204.	11.15	530.12	-43.33	MAXIMUM
					2350.3

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES 2'-10" DECK
50'-11" STBD - 2'-0" FWD OF FR. 72

CAPACITY

TCG

LCG

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1' = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1' = 1'-0" (+ 520 FT.)
- (5) TCG SCALE 1' = 5'-0" (STBD)

STRIKING PLATE 19' ABV KEEL

ALL DWG NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 4B WING BALLAST TANK P 8-78-4

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14
SCALE IN INCHES

FRAMES 78-85

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	137277.	11.83	593.94	42.85	MAXIMUM
					1839.0

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 1" D" DECK
29'-0" PORT - 11 5/8' FWD OF FR85

TCG

CAPACITY

LCG

VCG

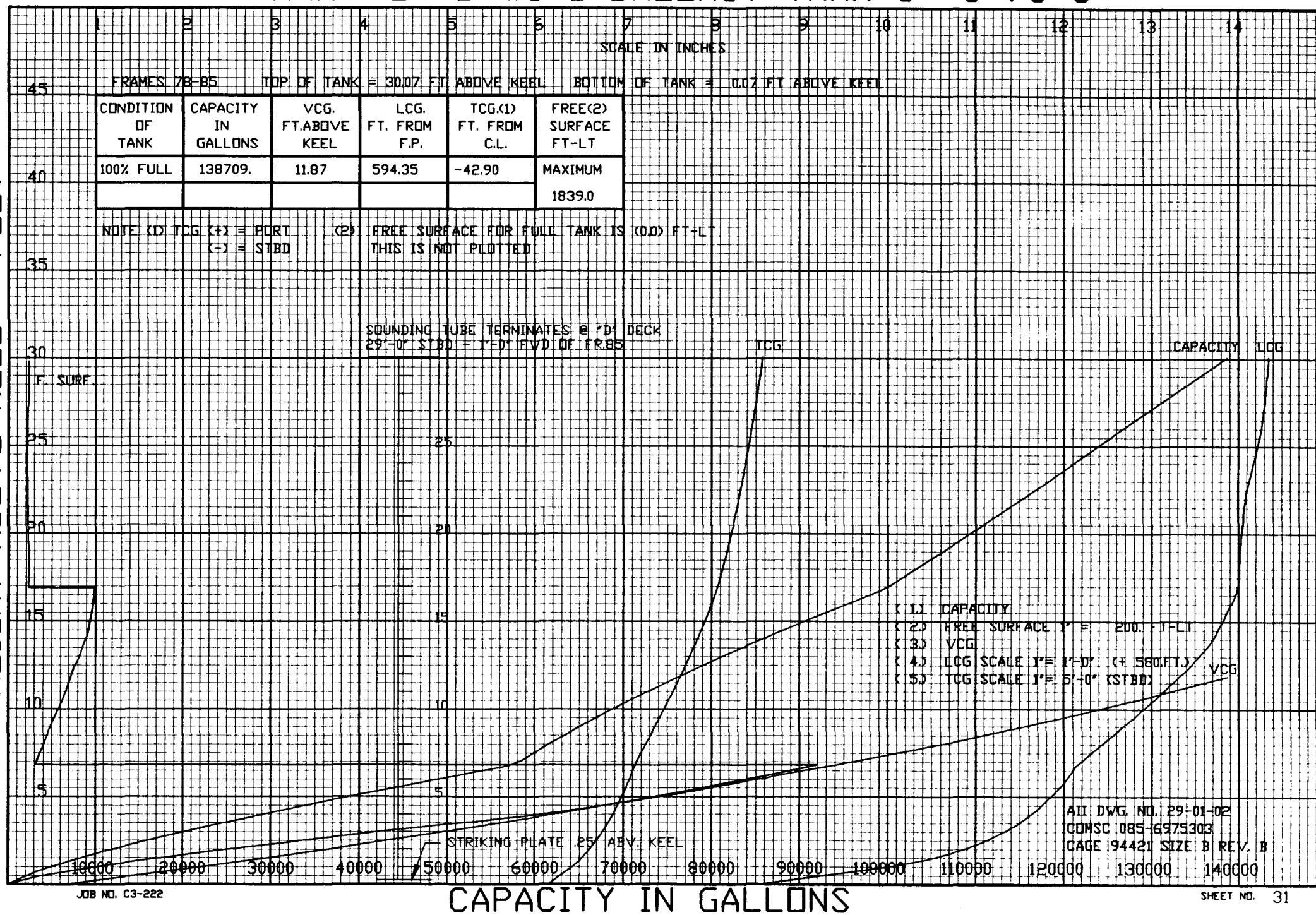
- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 580 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

STRIKING PLATE 21" ABM. KEEL

ATI DWG NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: NO 4B WING BALLAST TANK S 8-78-3

HEIGHT ABOVE KEEL - FEET



TANK: NO 6A WING BALLAST TANK P OR S 8-99-4/3

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14
SCALE IN INCHES

FRAMES 99-103 TOP OF TANK = 31.57 FT ABOVE KEEL BOTTOM OF TANK = 11.88 FT ABOVE KEEL

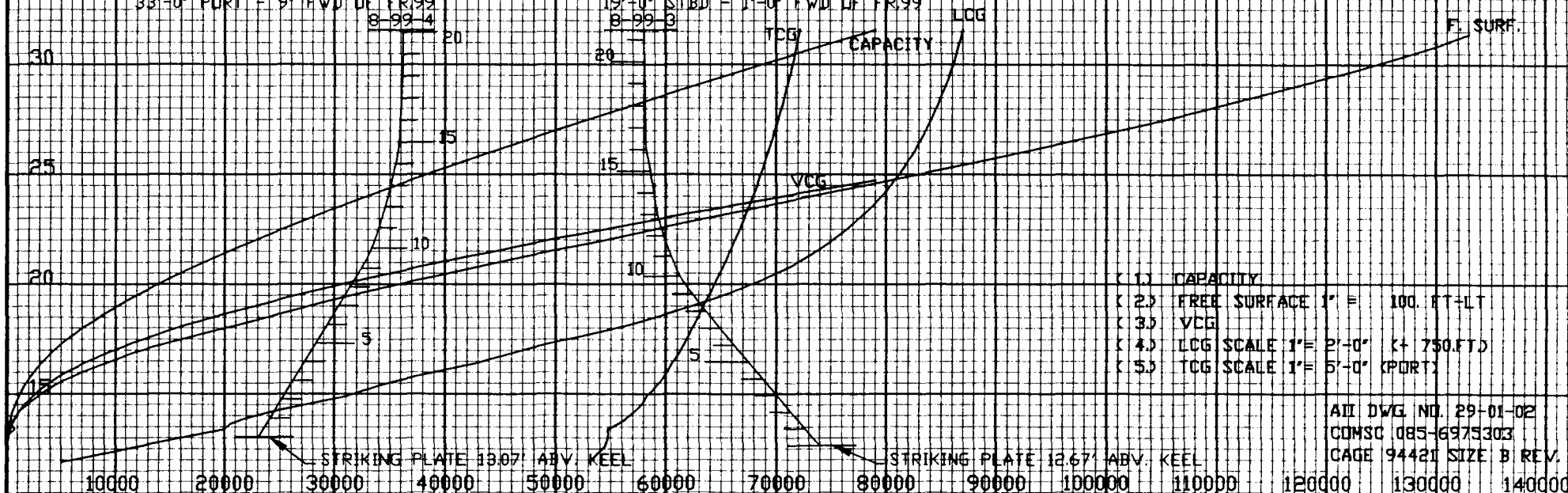
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	79092.	24.73	767.41	36.11	MAXIMUM
					1330.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (000) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'D' DECK
33'-0" PORT = 9' FWD OF FR 99
8-99-4

SOUNDING TUBE TERMINATES @ 'D' DECK
19'-0" STBD = 11'-0" FWD OF FR 99
8-99-3



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 750. FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 6B WING BALLAST TANK P OR S 8-103-4/3

HEIGHT ABOVE KEEL - FEET

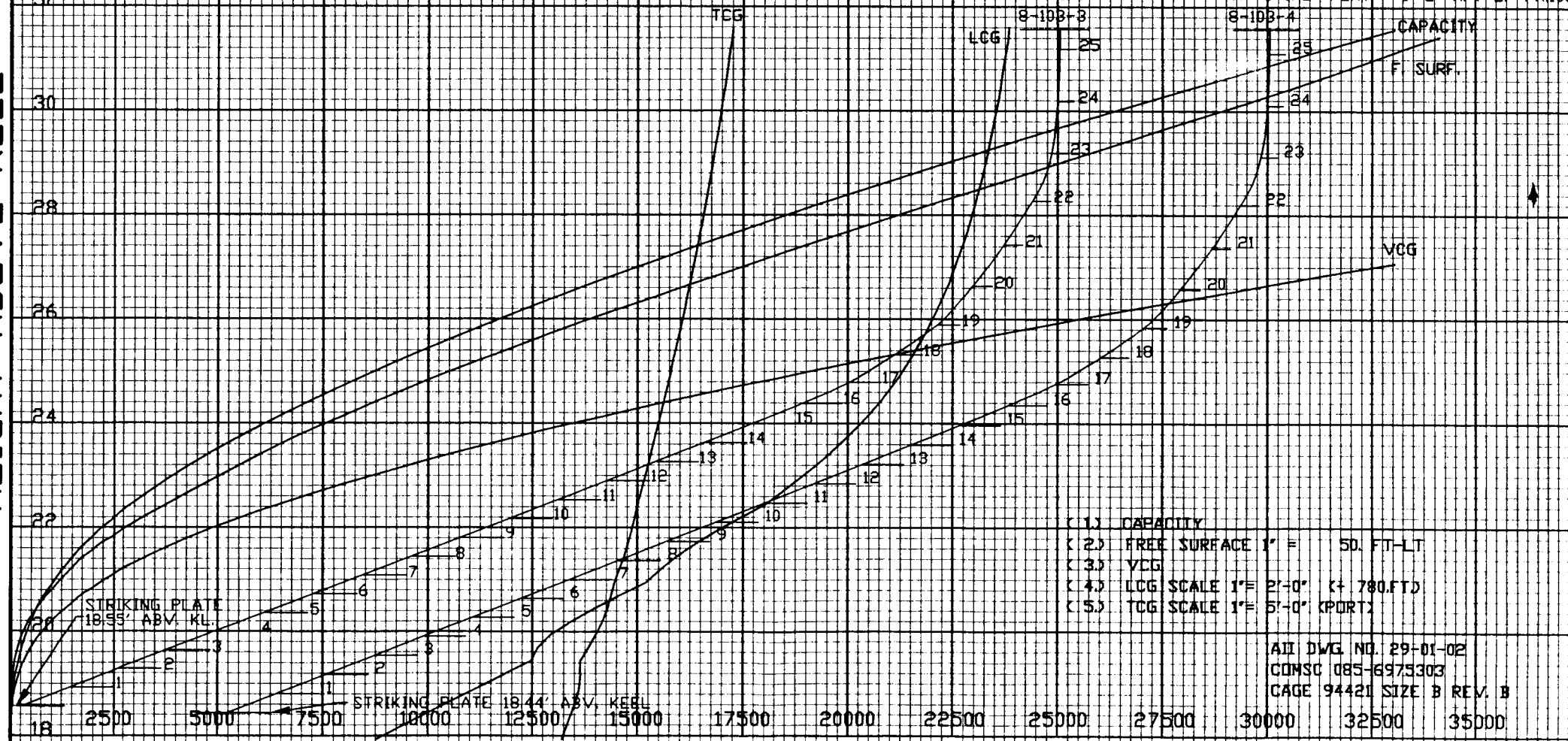
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SCALE IN INCHES													
FRAMES	103-105	TOP OF TANK = 31.57 FT ABOVE KEEL				BOTTOM OF TANK = 17.93 FT ABOVE KEEL							

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 10' DECK
47'-8 1/2" STBD - 1'-9" AFT OF FR103

SOUNDING TUBE TERMINATES @ 10' DECK
47'-8 1/2" PORT - 1'-2" AFT OF FR103



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 780. FT)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 6D SW BALLAST TANK P OR S 8-109-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 109-113

TOP OF TANK = 35.57 FT ABOVE KEEL

BOTTOM OF TANK = 24.14 FT ABOVE KEEL

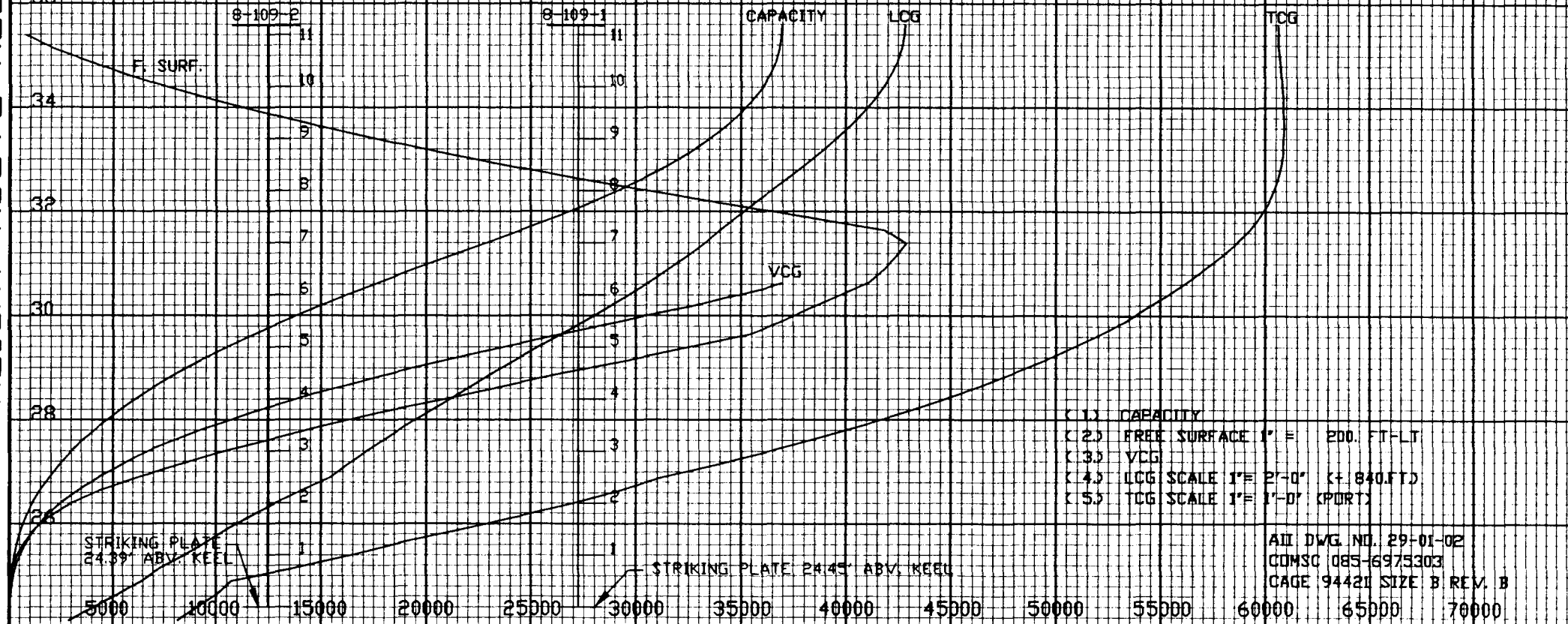
CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	36960.	30.62	857.13	12.12	MAXIMUM
					1714.8

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS 1000 FT-LT
THIS IS NOT PLOTTED

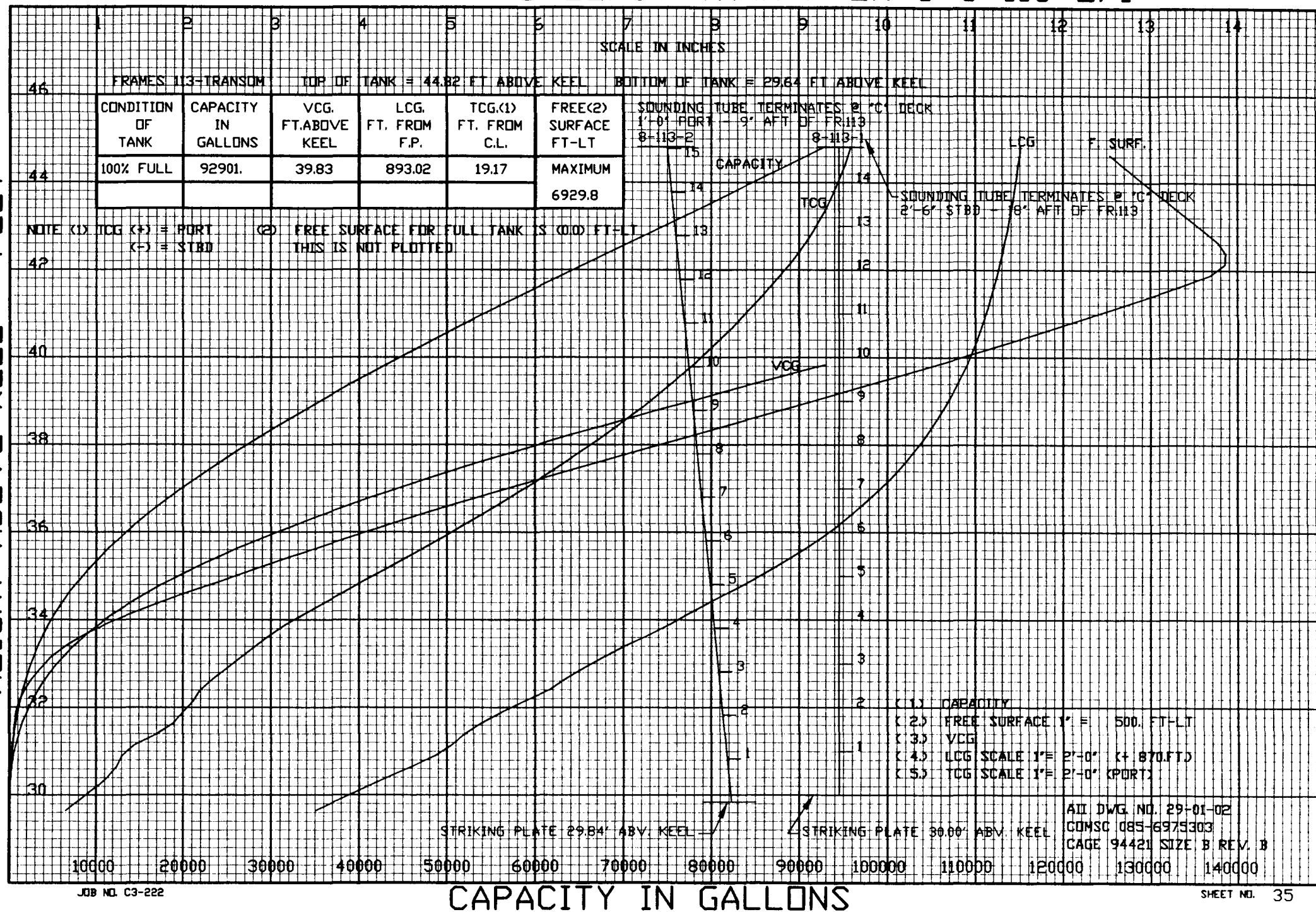
SOUNDING TUBE TERMINATES @ 'B' DECK
36 1/2" PORT - 6' AFT OF FR.109

SOUNDING TUBE TERMINATES @ 'B' DECK
6" STARBOARD - 6' AFT OF FR.109



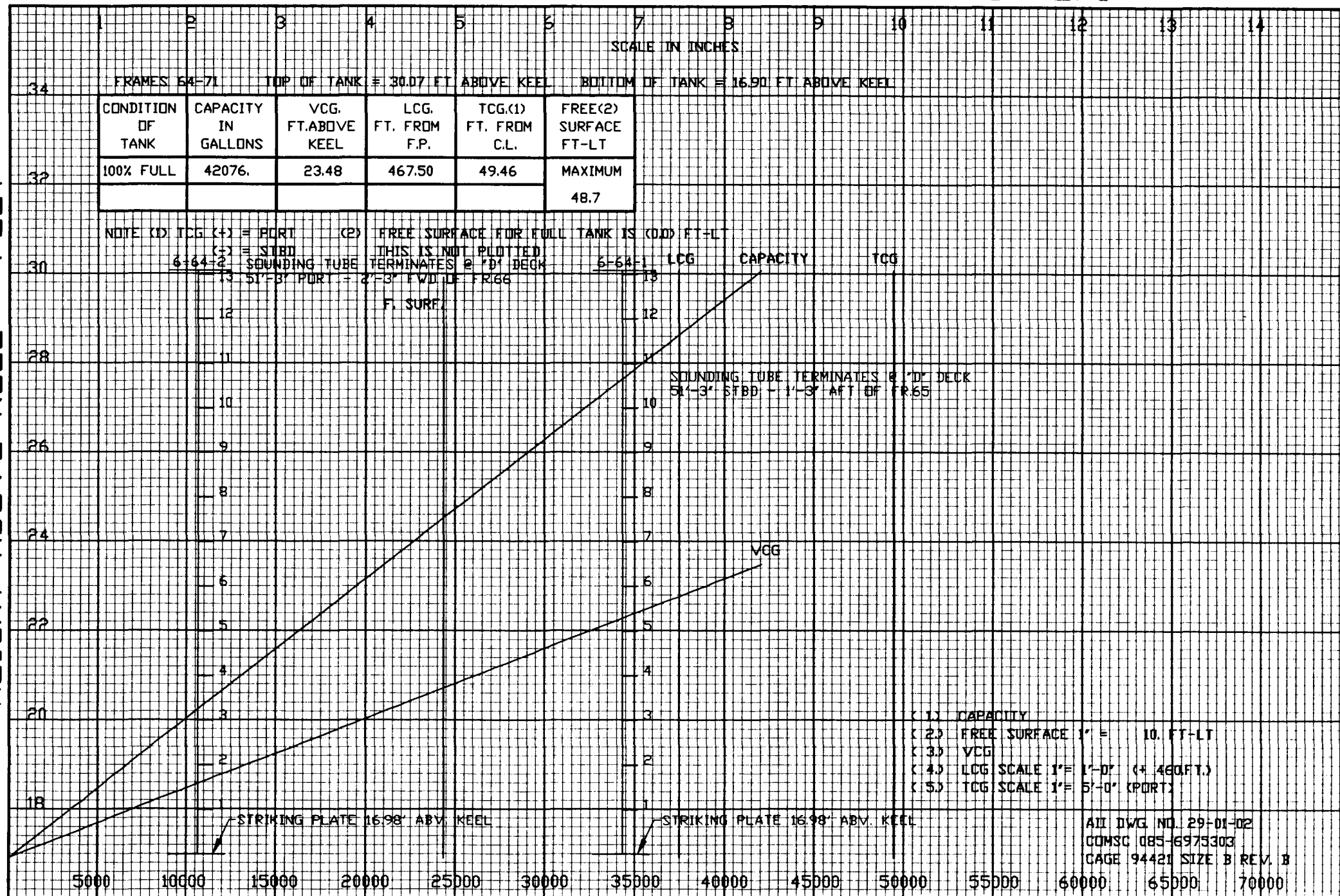
TANK: AFT PEAK BALLAST TANK P OR S 8-113-2/1

HEIGHT ABOVE KEEL - FEET



TANK: LIST CONTROL TANK P OR S 6-64-2/1

HEIGHT ABOVE KEEL - FEET



TANK: POTABLE WATER TANK NO 1 5-95-7

HEIGHT ABOVE KEEL - FEET

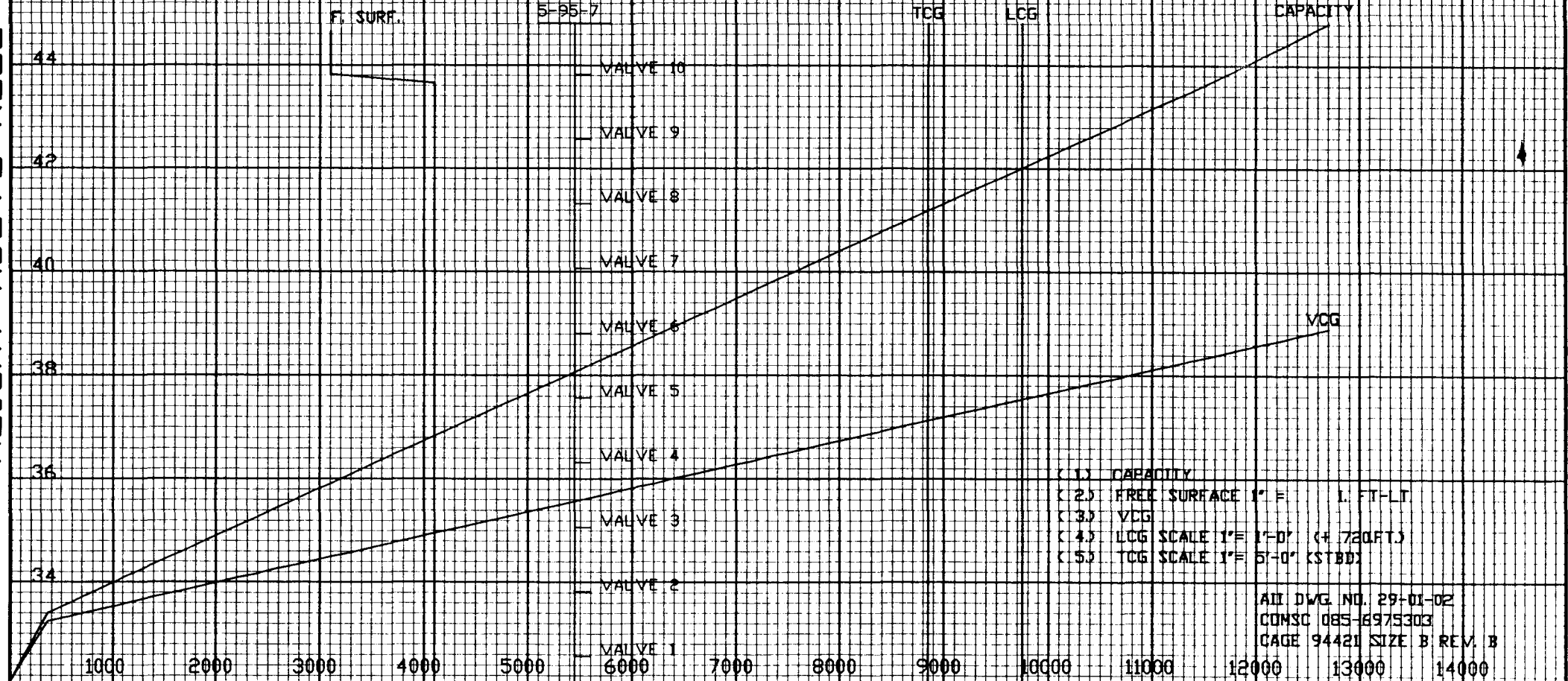
SCALE IN INCHES

FRAMES 94-99 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	12706.	38.90	729.75	-44.26	MAXIMUM
					4.1

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (000) FT-LT THIS IS NOT PLOTTED

PETCOCKS LOCATED ON "D" DECK
43'-3" STBD = 17'-9" AFT OF FR. 94
5-95-7



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 720 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-02
COMSC 085-16975303
CAGE 94421 SIZE B REV. B

TANK: POTABLE WATER TANK NO 2 5-95-9

HEIGHT ABOVE KEEL - FEET

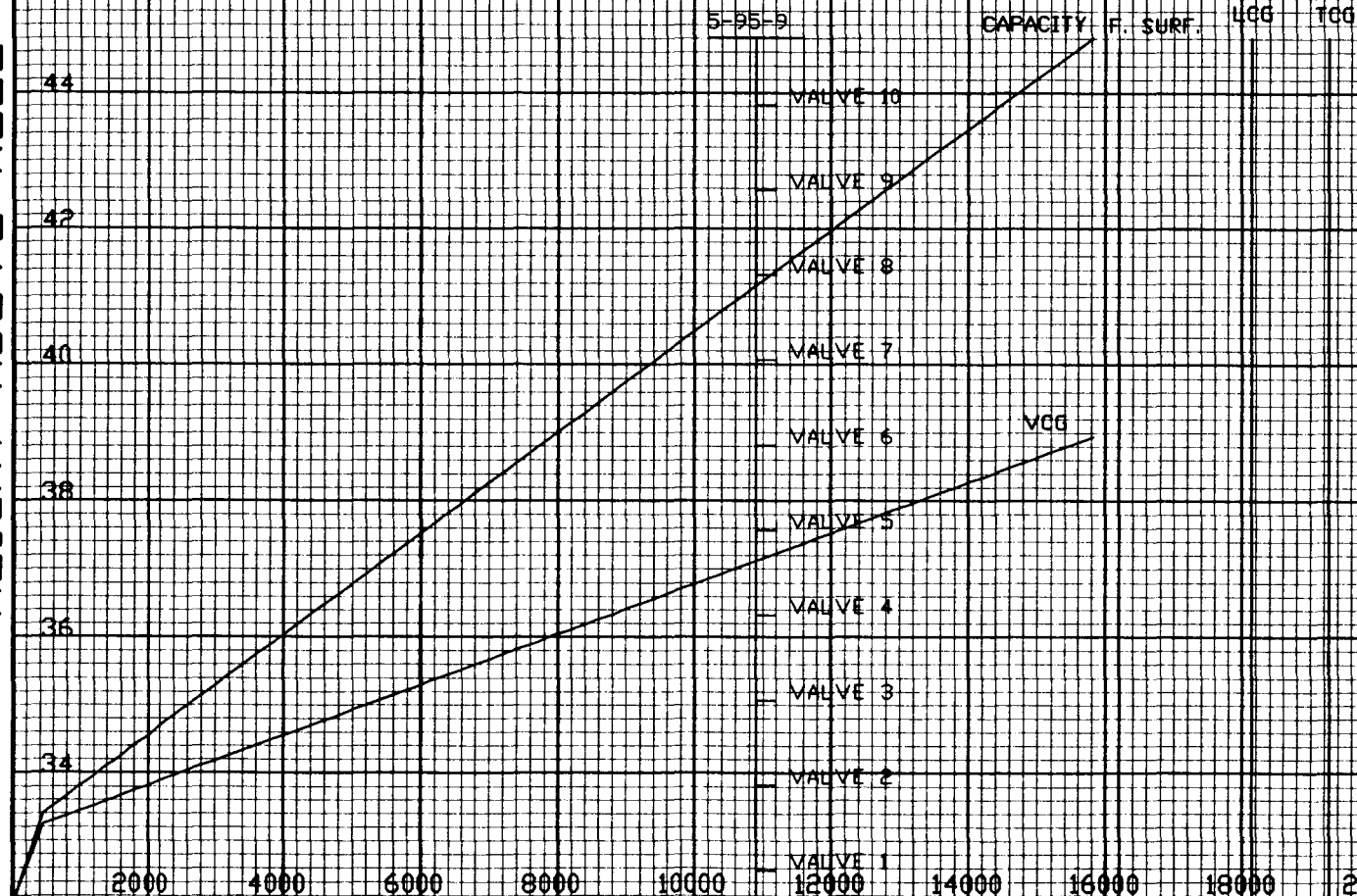
FRAMES 94-99 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	15827.	38.94	729.07	-48.17	MAXIMUM
					8.1

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT THIS IS NOT PLOTTED

PETCOCKS LOCATED ON "D" DECK
48'-9" STBD = 11'-9" AFT OF FR.94
5-95-9

CAPACITY F. SURF. UCG TCG



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 720 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG NO. 29-01-02
COMSC 085-16975303
CAGE 94421 SIZE B REV. B

TANK: RESV FEED WATER TANK 5-91-1

HEIGHT ABOVE KEEL - FEET

FRAMES 91-92 TOP OF TANK = 38.75 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2433.	35.91	683.50	-47.21	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS 1000 FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'G' DECK
49'-0" STBD - 1'-0" AFT OF FR. 91

LCG F. SURF. 5-91-1 TCG CAPACITY

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG NO. 29-01-02
CONSC 085-6975303
PAGE 94421 SIZE B REV. B

STRIKING PLATE 33.19' ABV KEEL

TANK: DIST WATER TANK 4.5-91-1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 91-92 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 39.14 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2433.	41.98	683.50	-47.21	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 10" DECK
48'-7" STBD = 1'-3" AFT OF F.P.

LCG

4.5-91-1

F. SURF.

TCG

CAPACITY

VCG

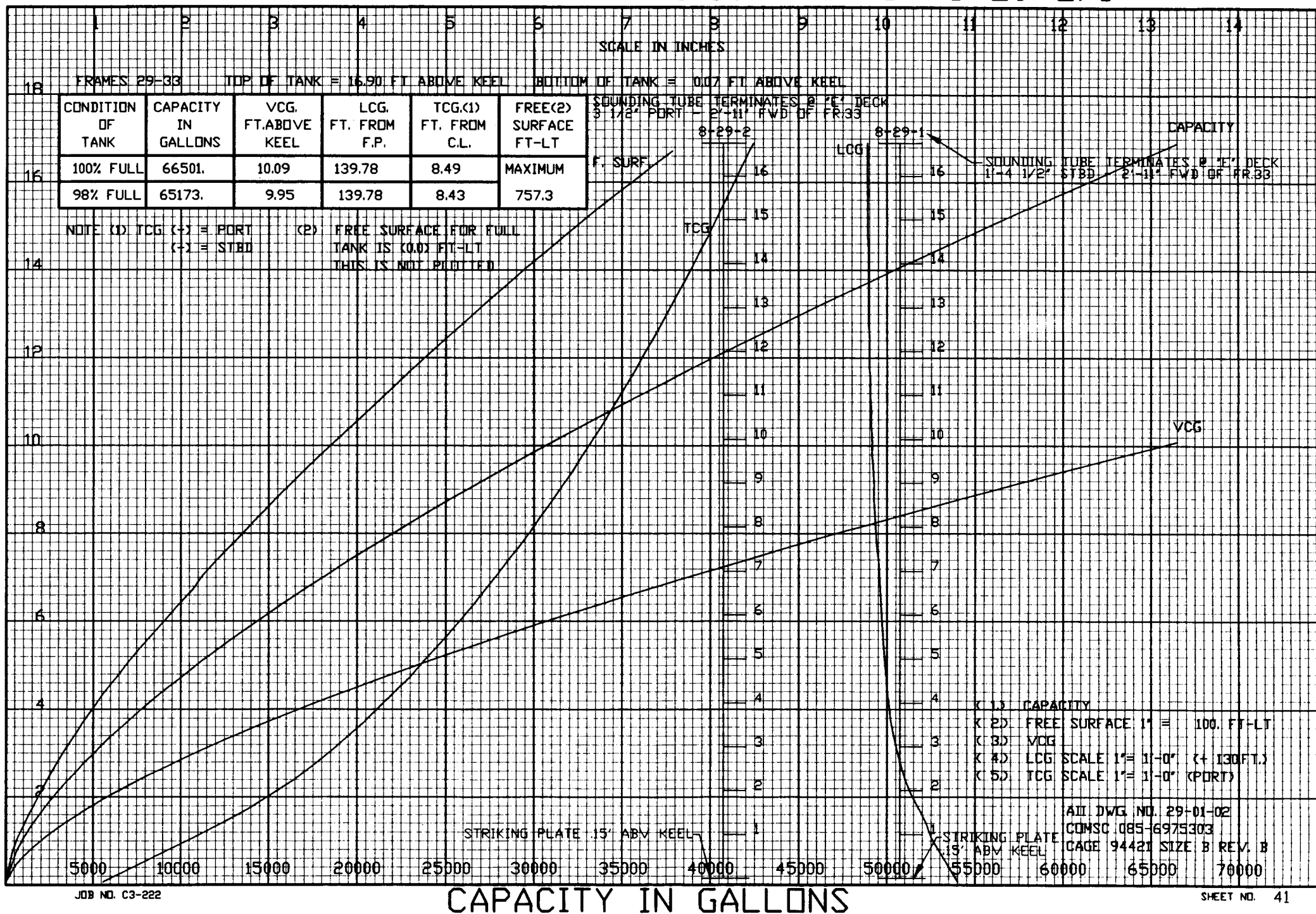
- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (4 680 FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

STRIKING PLATE 39.25' ABV. KEEL

AD DWG NO. 29-01-02
CONSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 1B P OR S 8-29-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 2A P OR S 8-33-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 33-38

TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

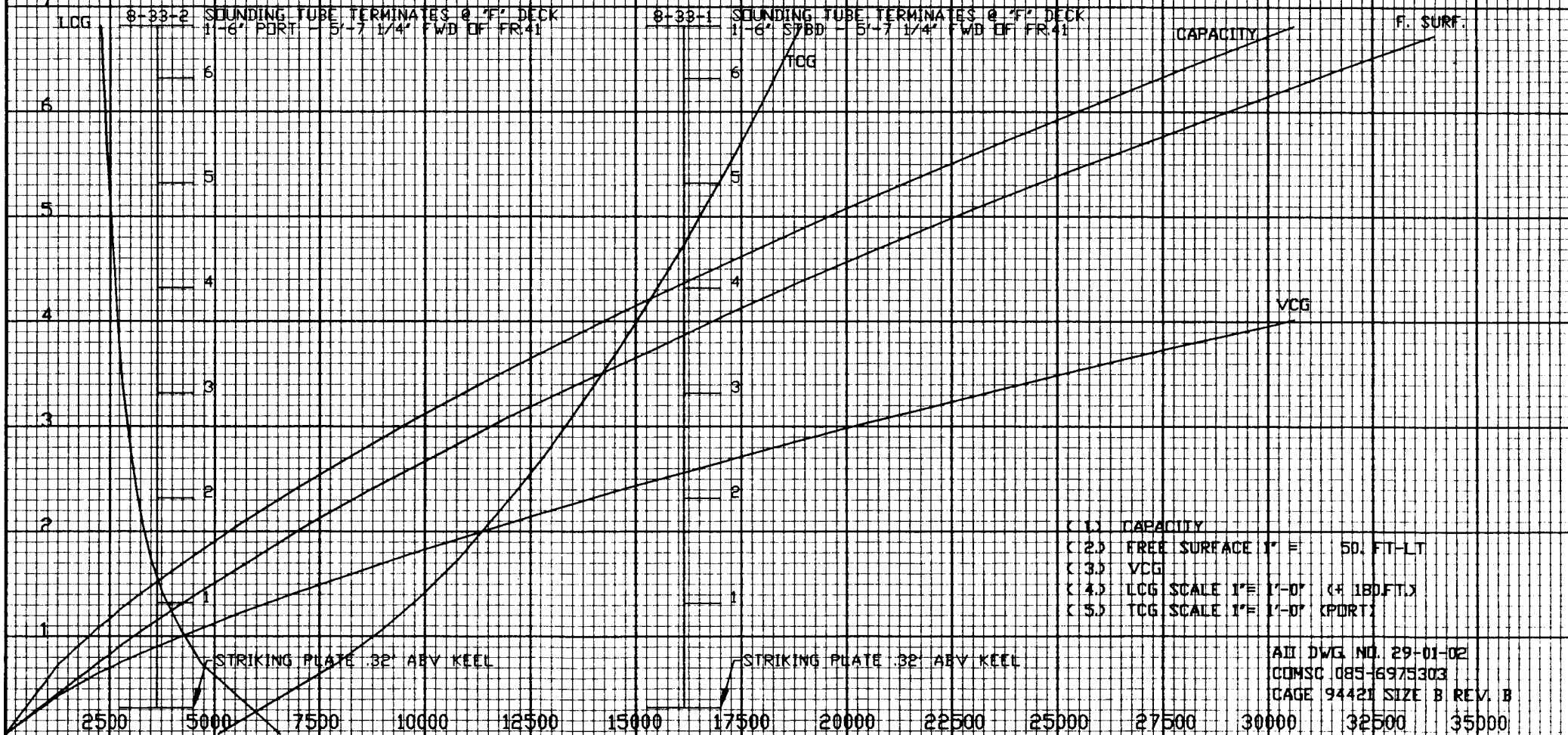
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	30620.	4.02	180.91	7.57	MAXIMUM
98% FULL	30007.	3.96	180.92	7.52	679.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT
THIS IS NOT PLOTTED

8-33-2 SOUNDING TUBE TERMINATES @ 'F' DECK
1'-6" PORT - 5'-7 1/4" FWD OF FR. 41

8-33-1 SOUNDING TUBE TERMINATES @ 'F' DECK
1'-6" STBD - 5'-7 1/4" FWD OF FR. 41



- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 180 FT.)
- (5) TCG SCALE 1"= 1'-0" (PORT)

AD DWG NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 2B P OR S 8-38-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 38-44 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	48679.	3.71	230.86	9.49	MAXIMUM
98% FULL	47705.	3.65	230.86	9.48	915.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

LCG 8-38-2 SOUNDING TUBE TERMINATES 8' 4" DECK
1'-6" PORT - 1'-1 1/2" FWD OF FR 46

SOUNDING TUBE TERMINATES 2' 4" DECK
1'-6" STBD - 1'-1 1/2" FWD OF FR 46
8-38-1

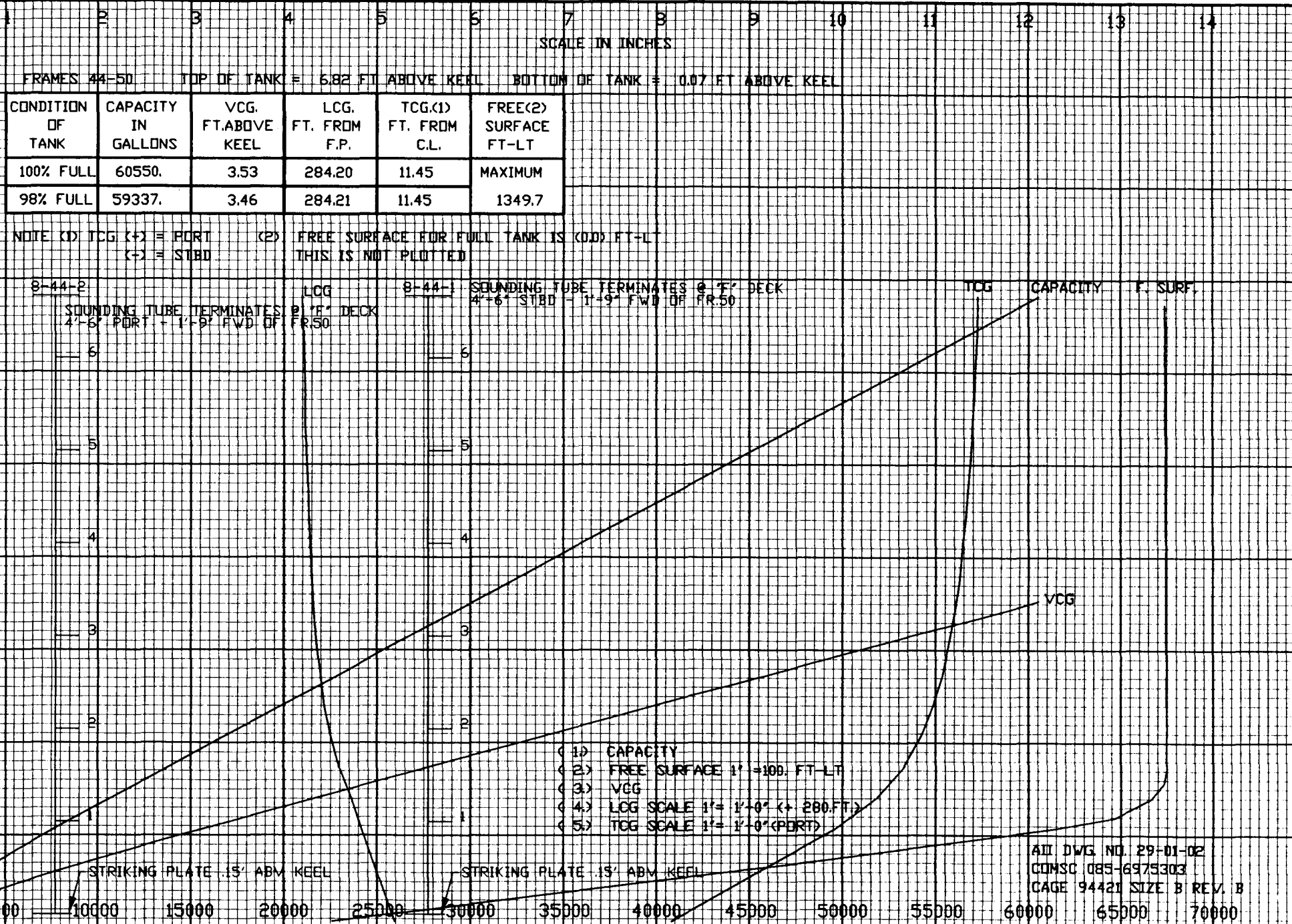


- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (4 230.86 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG NO. 29-01-02
CONSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 2C P OR S 8-44-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 3A P OR S 8-50-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 50-57 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80829.	3.45	341.56	12.97	MAXIMUM
98% FULL	79212.	3.39	341.56	12.97	2136.6

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

8-50-2

SOUNDING TUBE TERMINATES 2' F' DECK
11' PORT - 1'-6" AFT OF FR 56

8-50-1

SOUNDING TUBE TERMINATES 2' F' DECK
11' STBD - 1'-6" AFT OF FR 56

CAPACITY

F. SURF.

TCG

LCG

VCG

STRIKING PLATE 15' ABV KEEL

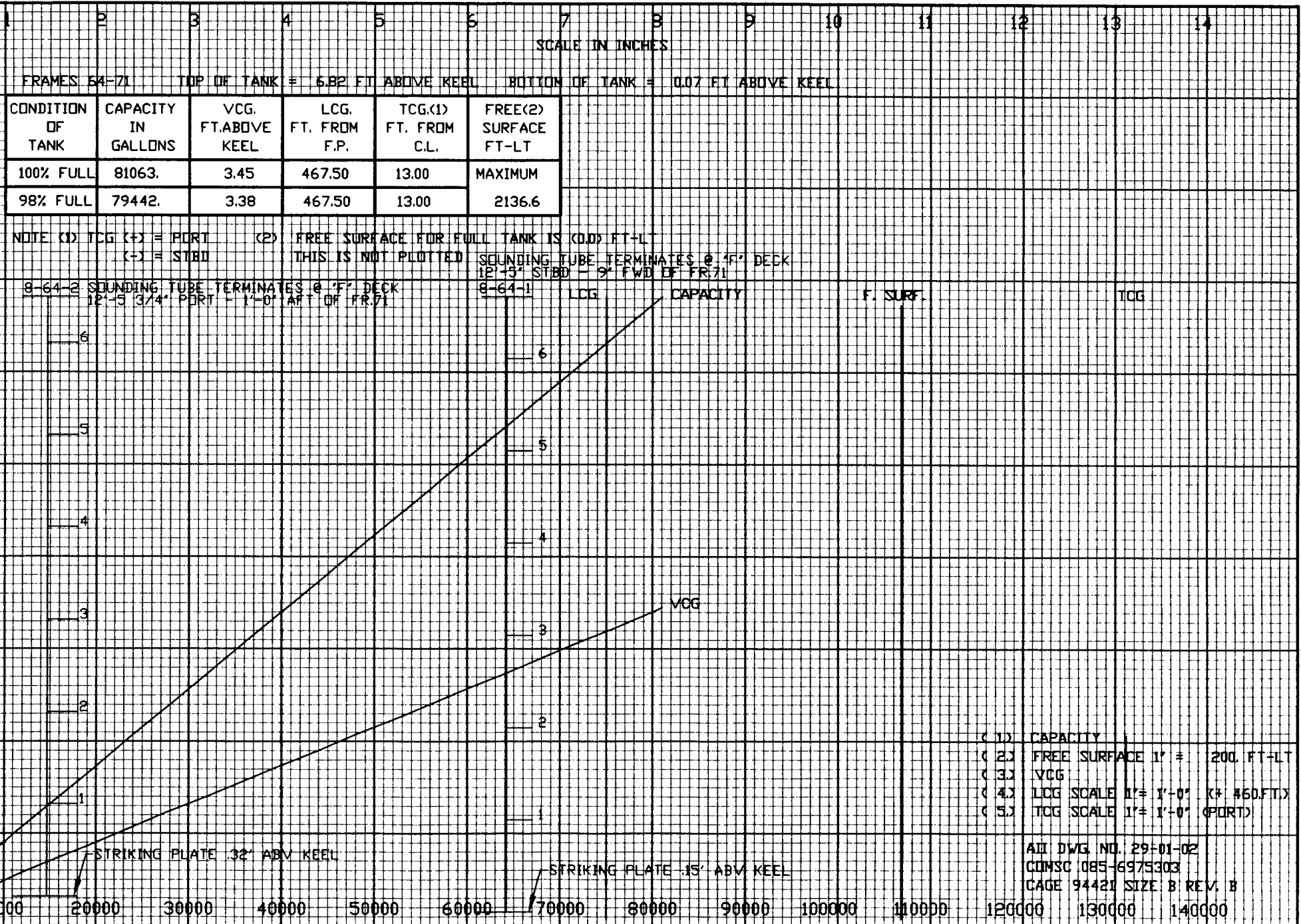
STRIKING PLATE 15' ABV KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (X 340 FT)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 3C P OR S 8-64-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 4A P OR S 8-71-2/1

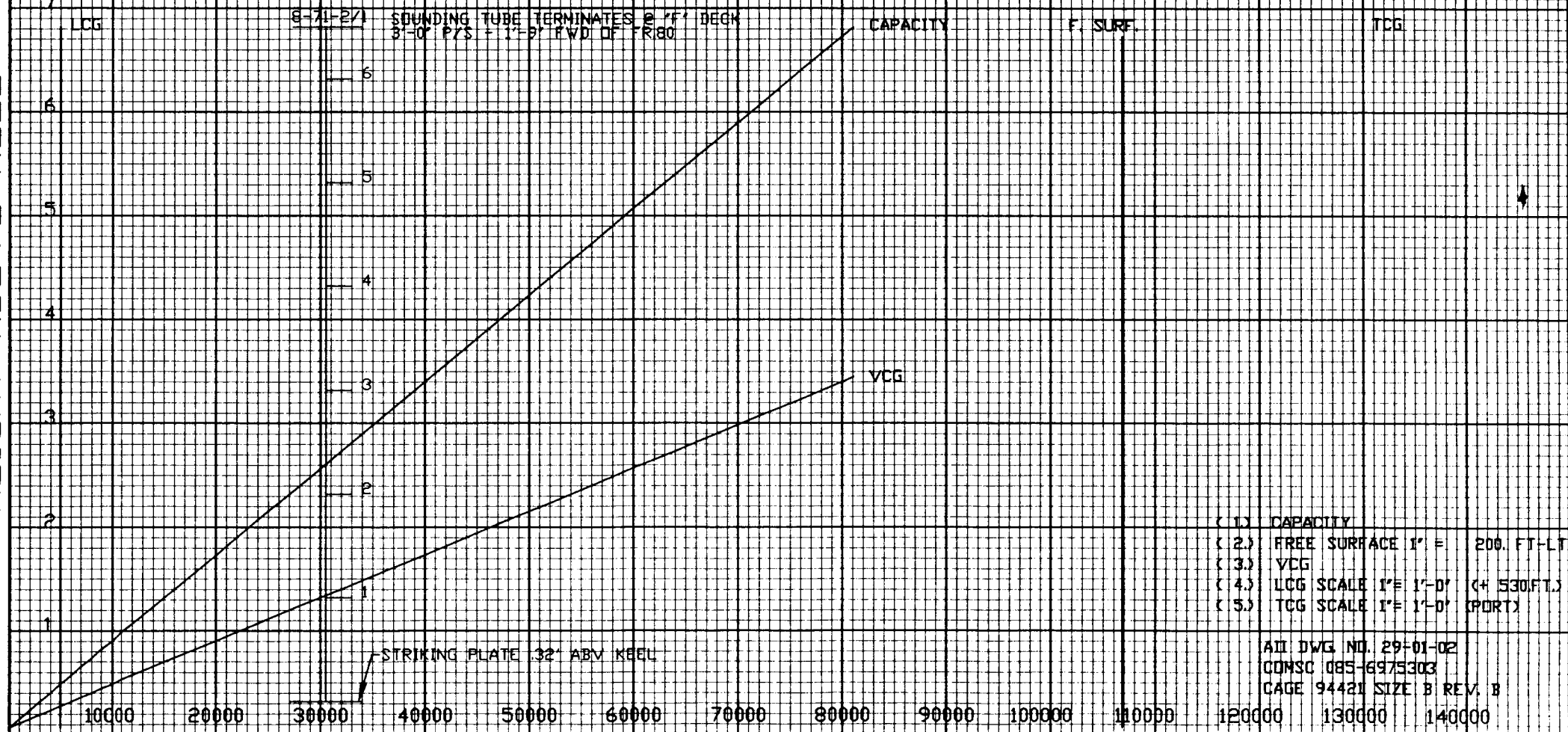
HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 71-78 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

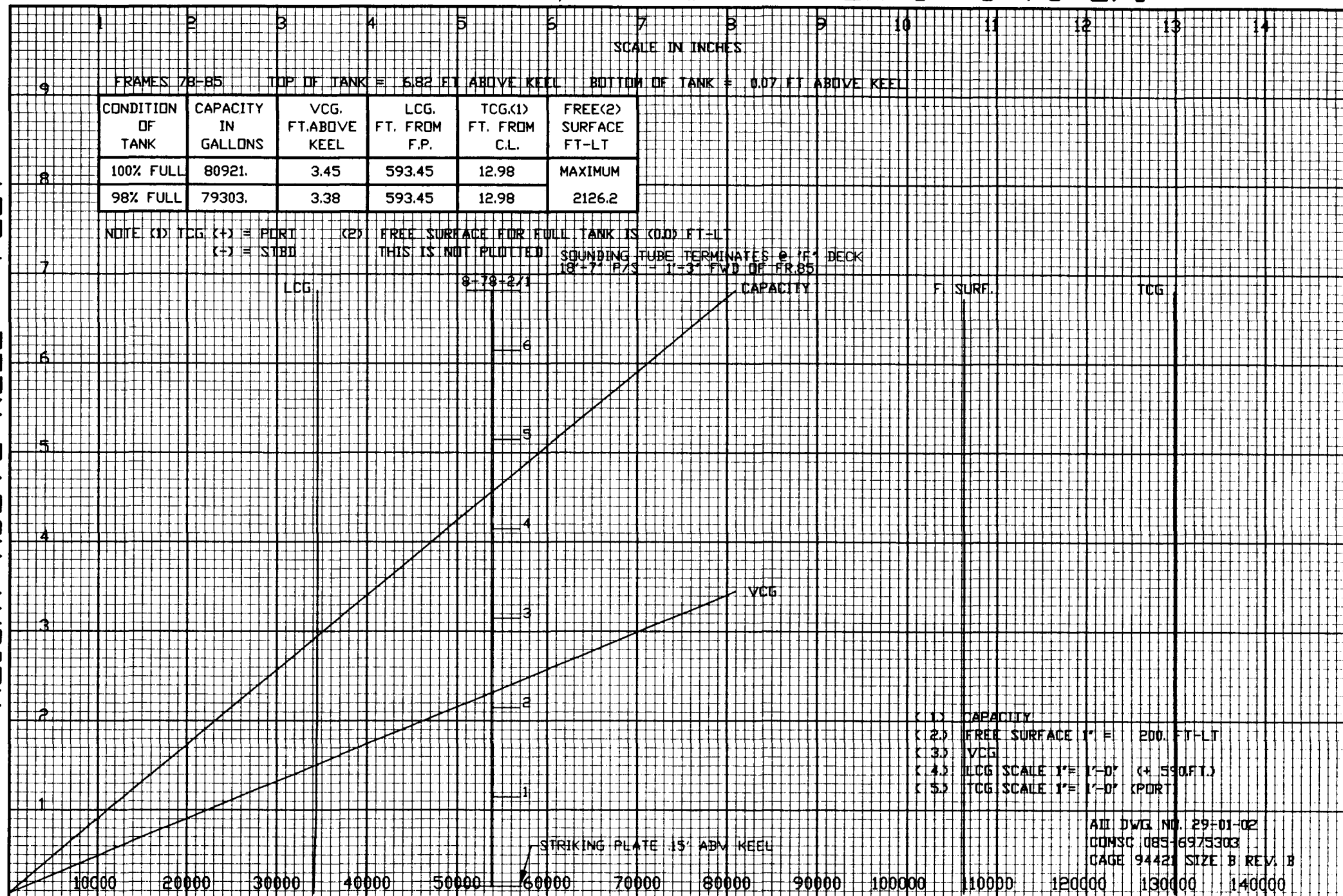
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	530.50	13.00	MAXIMUM
98% FULL	79442.	3.38	530.50	13.00	2136.6

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (000) FT-LT THIS IS NOT PLOTTED



TANK: FUEL OIL TANK NO 4B P OR S 8-78-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 6A P OR S 8-99-2/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 99-103

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 11.05 FT ABOVE KEEL

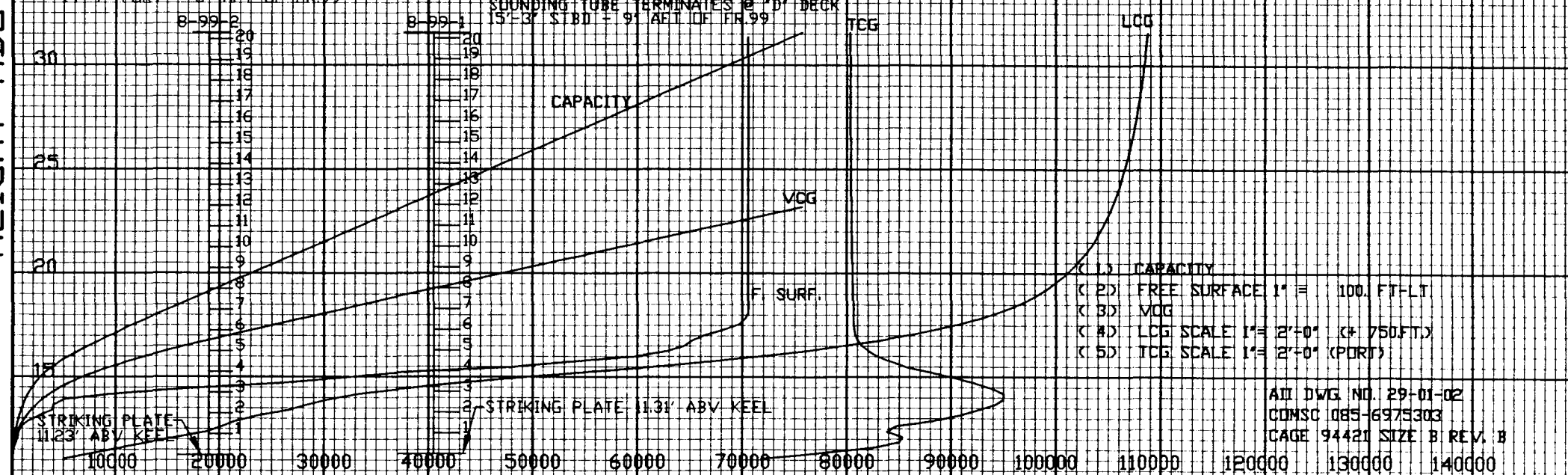
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	75747.	23.19	771.75	16.07	MAXIMUM
98% FULL	74232.	23.02	771.74	16.07	705.8

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'D' DECK
(4'-7" PORT = 5' AFT OF FR. 99)

SOUNDING TUBE TERMINATES @ 'D' DECK
(5'-3" STBD = 9' AFT OF FR. 99)



TANK: FUEL OIL TANK NO 6B P OR S 8-103-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 103-106

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 15.89 FT ABOVE KEEL

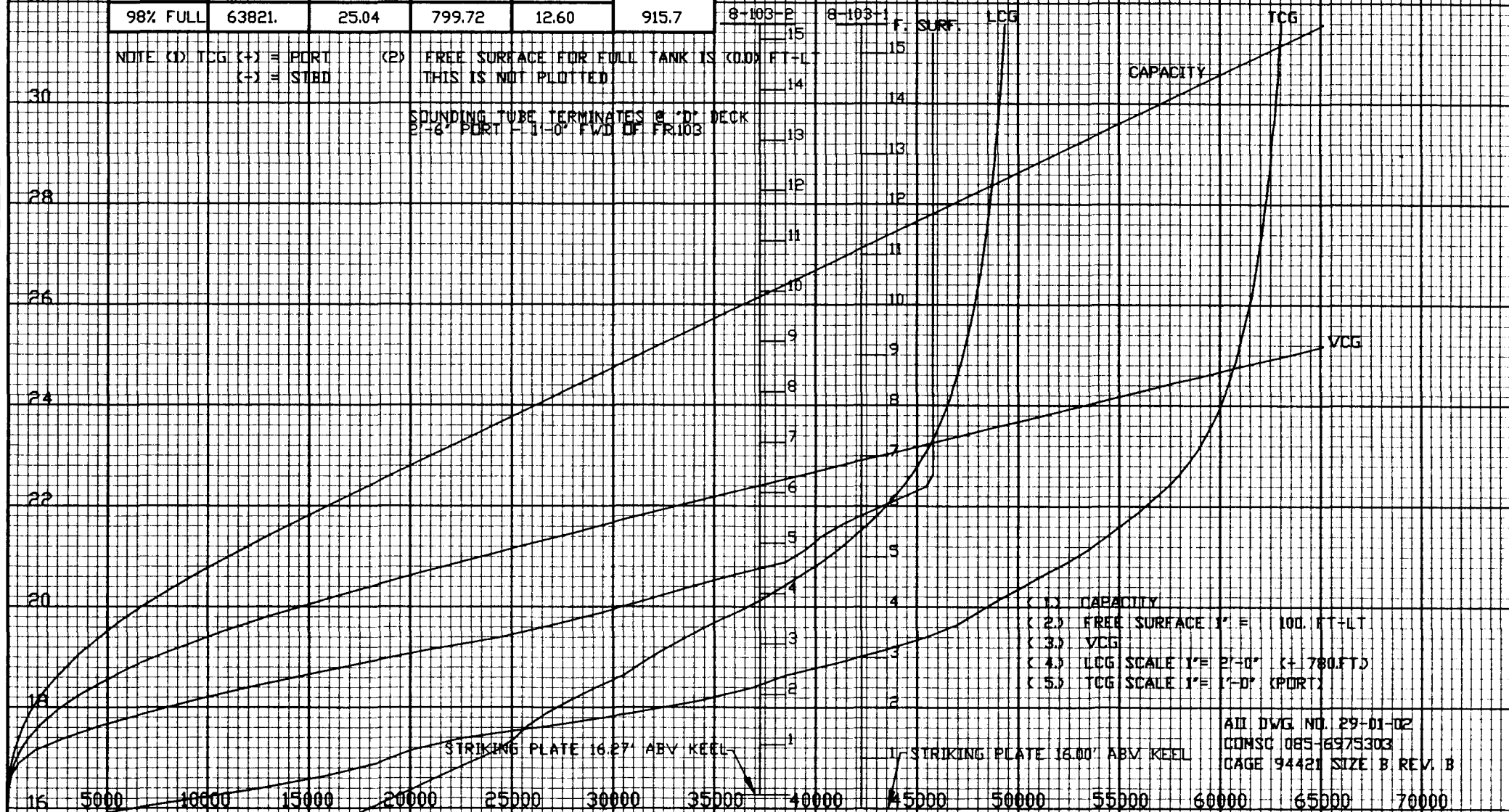
CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG, (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	65123.	25.17	799.73	12.61	MAXIMUM
98% FULL	63821.	25.04	799.72	12.60	915.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'D' DECK
2'-6" PORT - 2'-9" FWD OF FR. 103

SOUNDING TUBE TERMINATES @ 'D' DECK
2'-6" PORT - 1'-0" FWD OF FR. 103



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 780. FT)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NO. 29-01-02
CONSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 6C P OR S 8-106-2/1

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 106-109

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 20.02 FT ABOVE KEEL

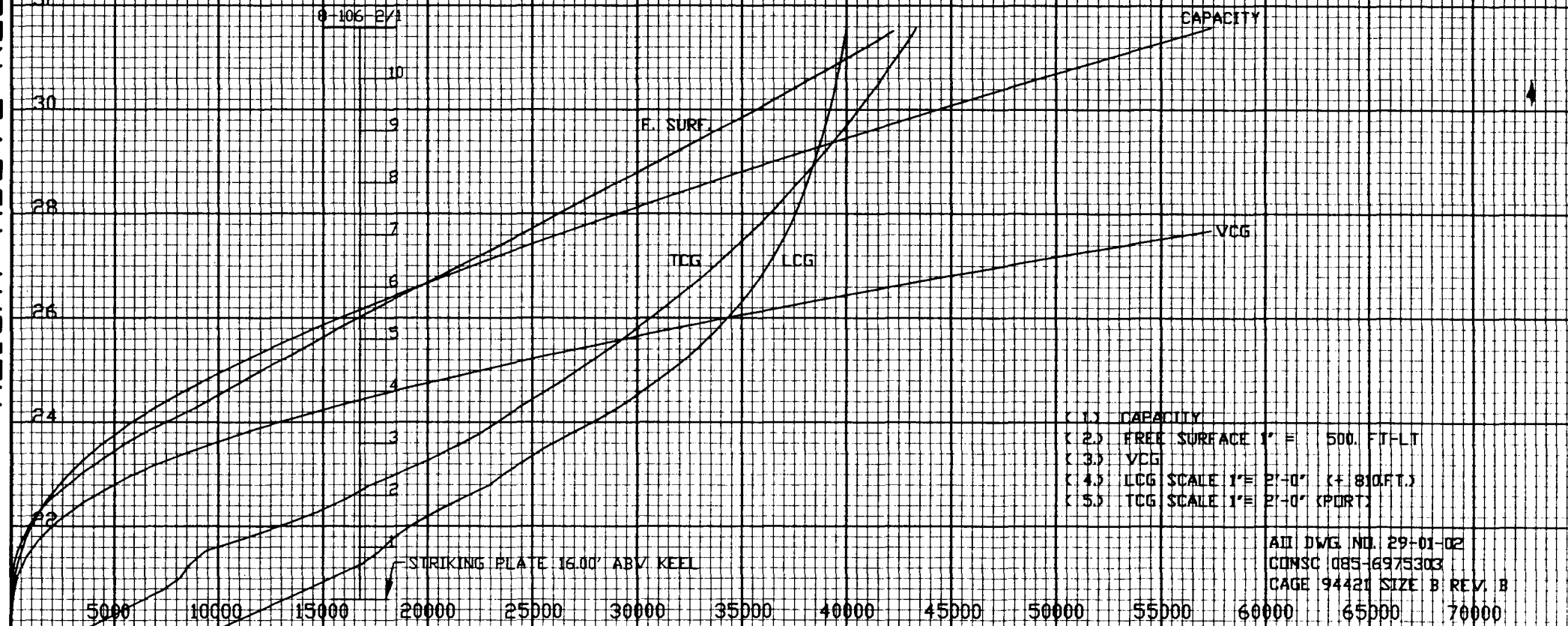
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG (1) FT. FROM C.L.	FREE (2) SURFACE FT-LT
100% FULL	57393.	27.68	826.00	17.33	MAXIMUM
98% FULL	56245.	27.61	825.97	17.25	4225.2

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES 2' 0" DECK
6' P/S - 5' 0" AFT OF FR. 104

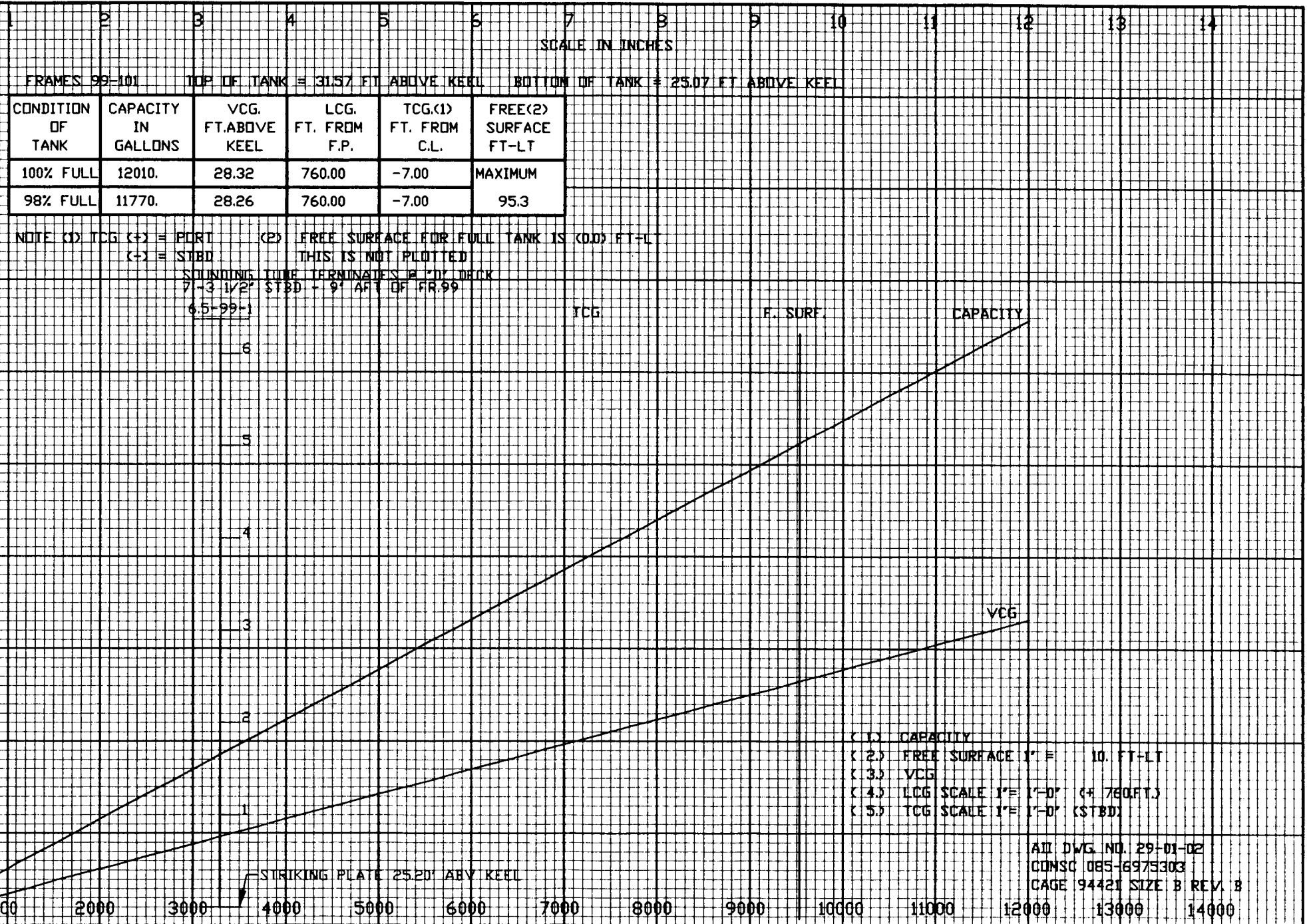
8-106-2/1



STRIKING PLATE 16.00' ABV KEEL

TANK: SSDG FUEL OIL SERVICE TANK 6.5-99-1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL SETTLING TANK 8-99-0

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 99-102

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 10.39 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	76446.	20.97	762.21	1.10	MAXIMUM
98% FULL	74917.	20.76	762.17	1.03	953.2

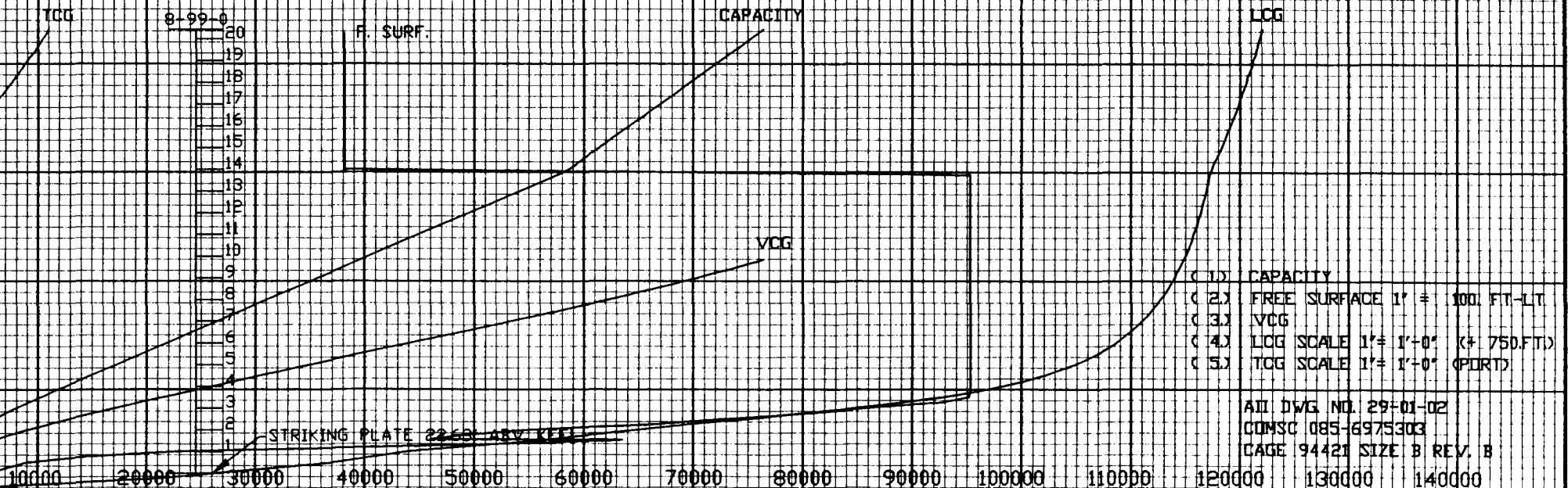
NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'D' DECK
21'-9" PORT = 4'-0" AFT OF FR. 99

8-99-0

F. SURF.

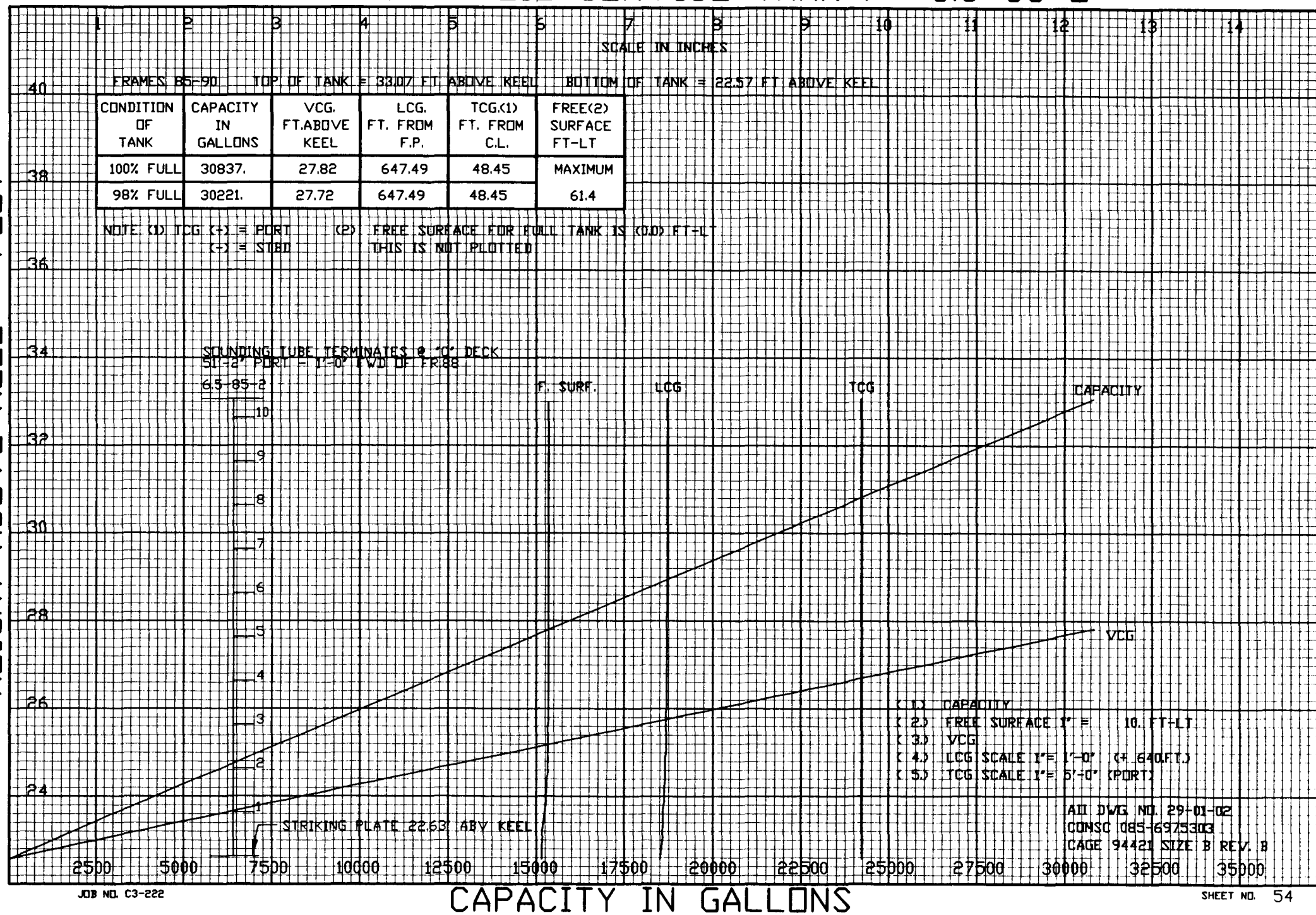


- (1) CAPACITY
- (2) FREE SURFACE 1' = 100 FT-LT
- (3) VCG
- (4) LCG SCALE 1' = 1'-0" (> 750 FT)
- (5) TCG SCALE 1' = 1'-0" (PORT)

ALL DWG NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

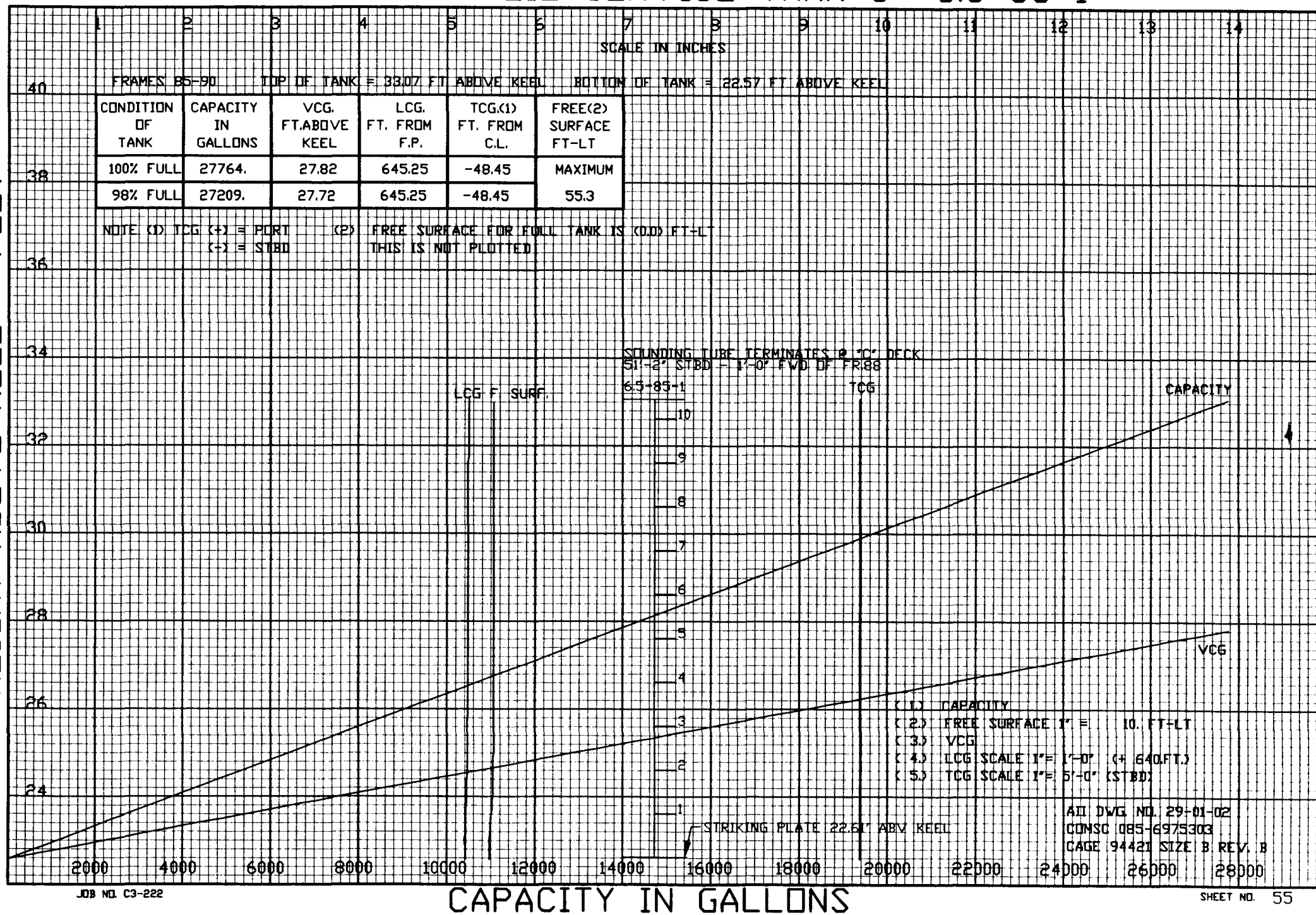
TANK: FUEL OIL SERVICE TANK P 6.5-85-2

HEIGHT ABOVE KEEL - FEET



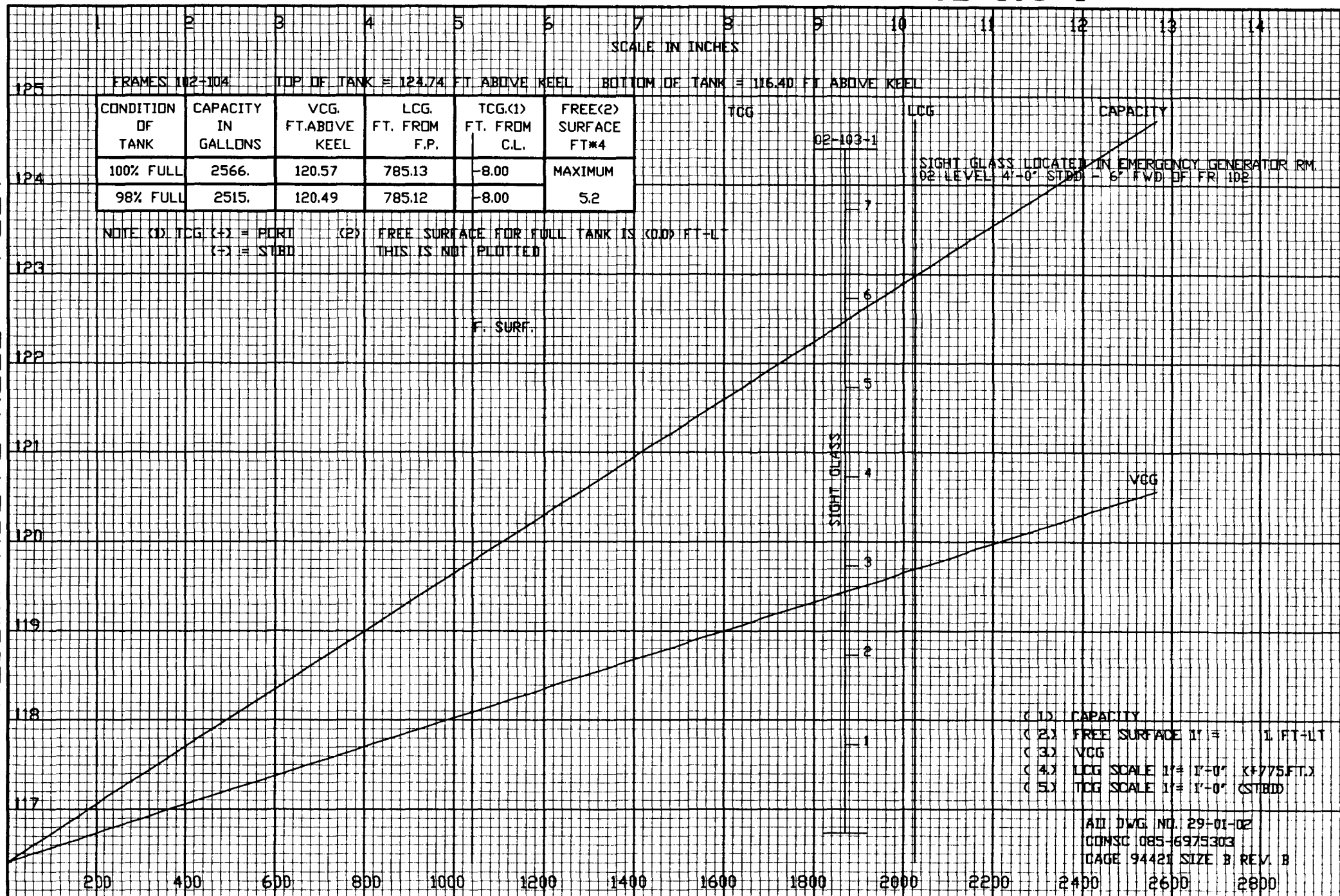
TANK: FUEL OIL SERVICE TANK S 6.5-85-1

HEIGHT ABOVE KEEL - FEET



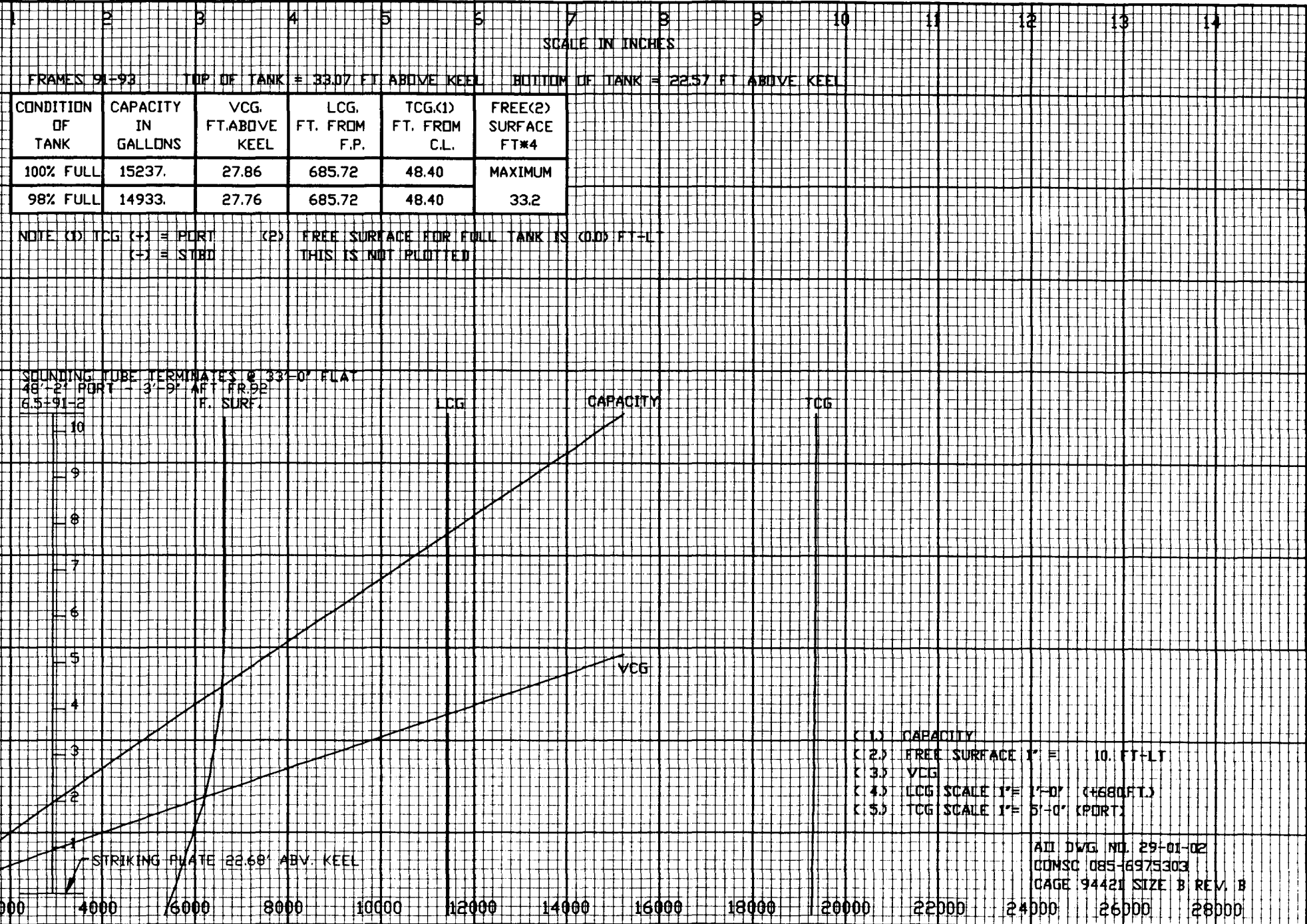
TANK: EM GEN FO SERVICE TANK 02-103-1

HEIGHT ABOVE KEEL - FEET



TANK: ME/SSDG LO STORAGE TANK P 6.5-91-2

HEIGHT ABOVE KEEL - FEET



TANK: ME/SSDG LO STORAGE TANK S 6.5-90-1

HEIGHT ABOVE KEEL - FEET

FRAMES 90-94 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT. ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	27389.	27.87	685.64	-48.39	MAXIMUM
98% FULL	26852.	27.77	685.63	-48.39	59.9

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 33'-0" PLAT 50'-7" STBD - 1'-6" AFT FR 93 6.5-90-1

10
9
8
7
6
5
4
3
2
1

STRIKING PLATE 22.72' ABV. KEEL

LCG

IF. SURF.

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680. FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-02
CONSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: ME/SSDG LO SETTLING TANK P 6.5-93-2

HEIGHT ABOVE KEEL - FEET

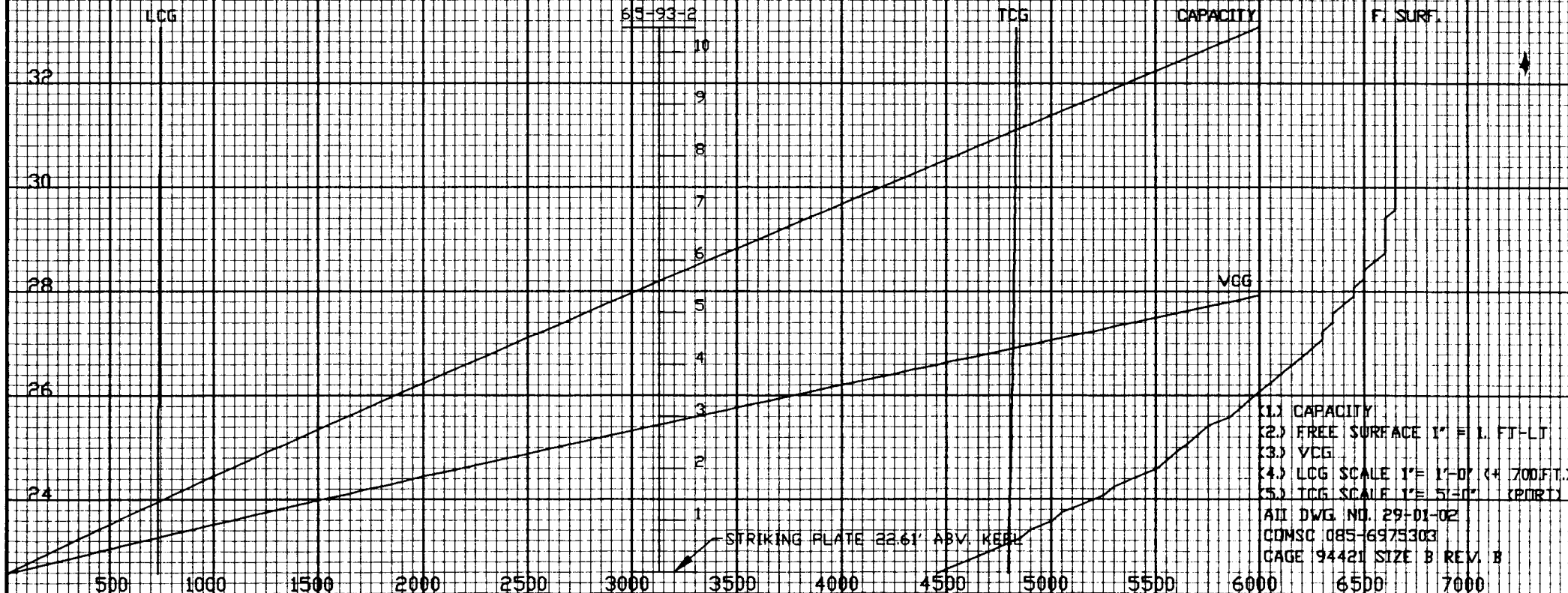
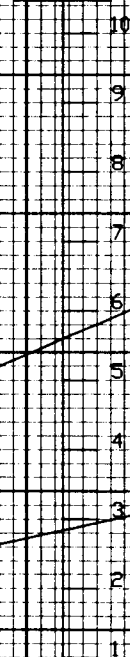
FRAMES 93-94 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5990.	27.92	701.49	48.33	MAXIMUM
98% FULL	5870.	27.81	701.49	48.33	13.3

NOTE (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS 10.0 FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "C" DECK
481-9" PORT F 31-0" AFT OF FR 93

6.5-93-2



- (1) CAPACITY
 - (2) FREE SURFACE 1" = 1. FT-LT
 - (3) VCG
 - (4) LCG SCALE 1" = 1'-0" (+ 700 FT.)
 - (5) TCG SCALE 1" = 5'-0" (PORT)
- ALL DWG. NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: CPP LO STORAGE TANK 5-93-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14
SCALE IN INCHES

FRAMES 93-94

TOP OF TANK = 44.82 FT ABOVE KEEL

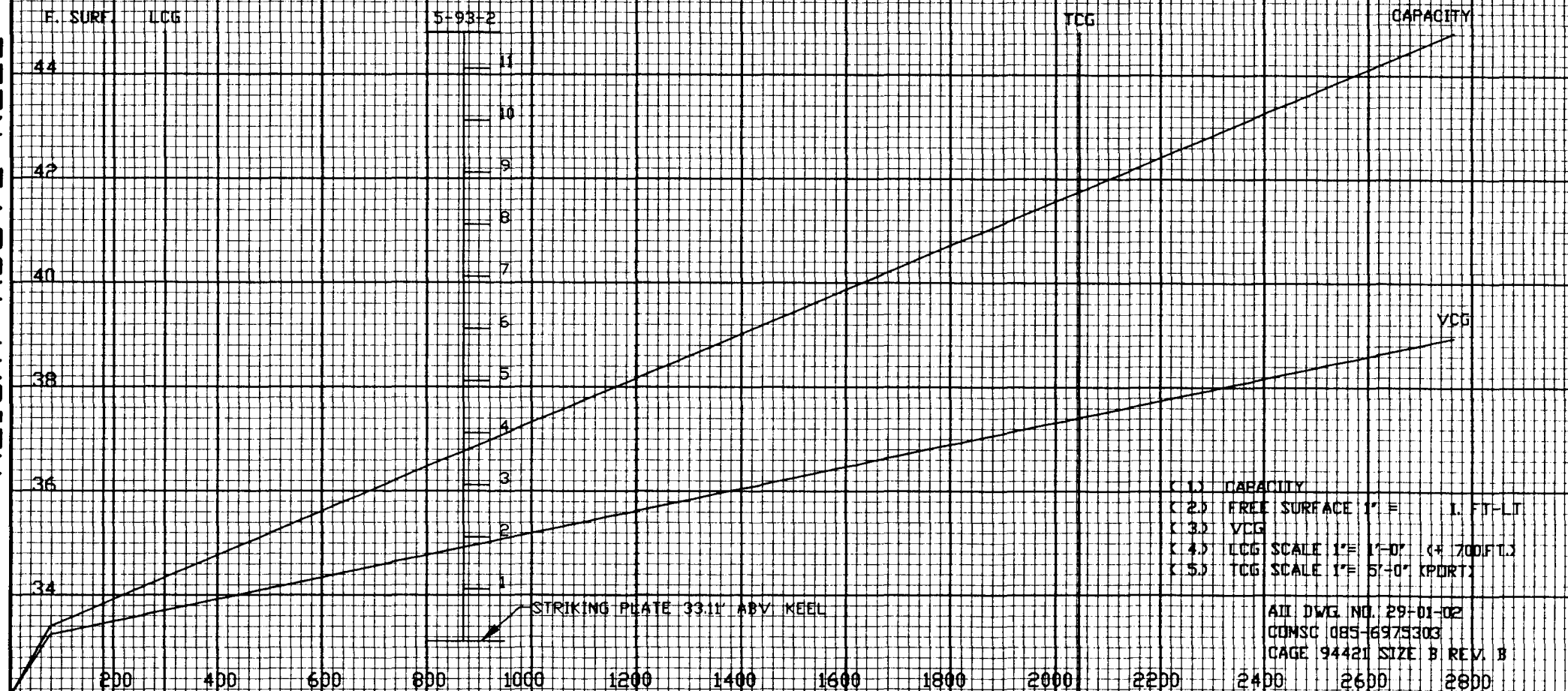
BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2765.	38.95	701.50	51.12	MAXIMUM
98% FULL	2710.	38.83	701.50	51.12	0.9

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 'C' DECK
51'-2" PORT - 1'-5" FWD OF FR 94
5-93-2



- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 700 FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG. NO. 29-01-02
CONSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: CPP LO SETTLING TANK 5-95-3

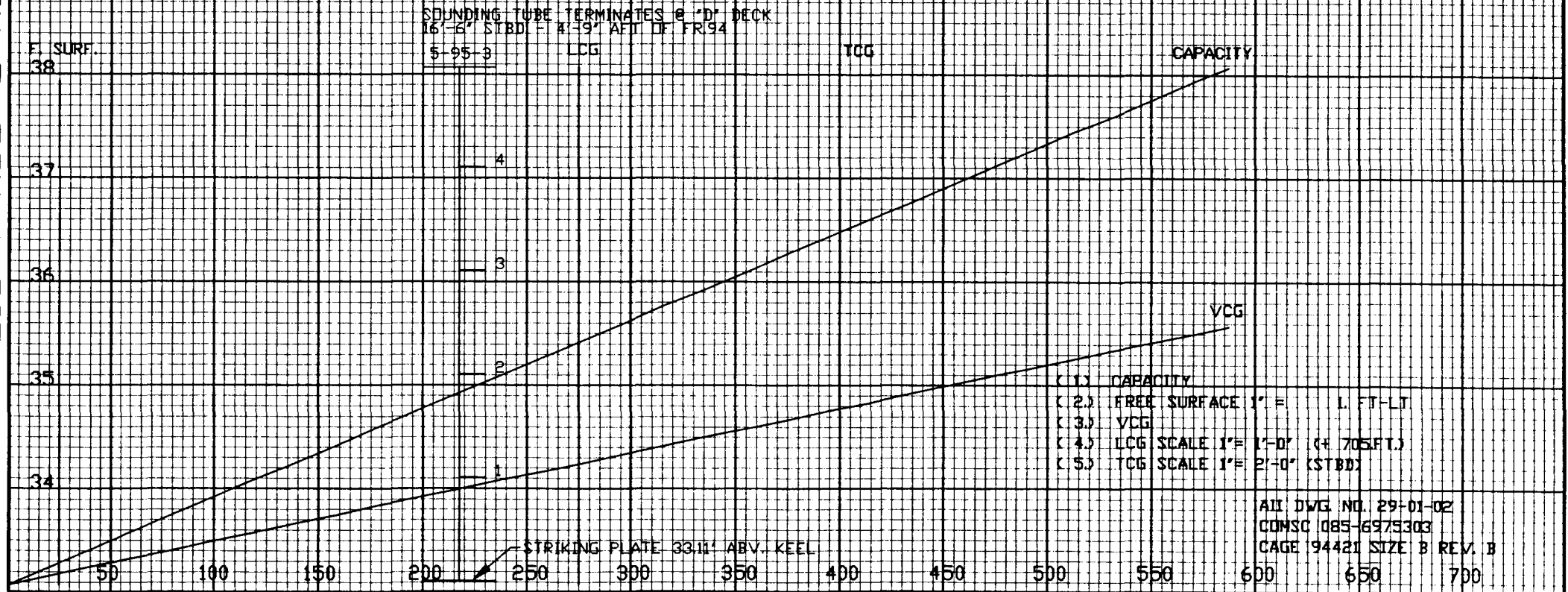
HEIGHT ABOVE KEEL - FEET

FRAMES 94-94 TOP OF TANK = 38.07 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	587.	35.57	710.50	-16.00	MAXIMUM
98% FULL	575.	35.52	710.50	-16.00	0.5

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



TANK: RG LO STORAGE TANK 5-92-2

HEIGHT ABOVE KEEL - FEET

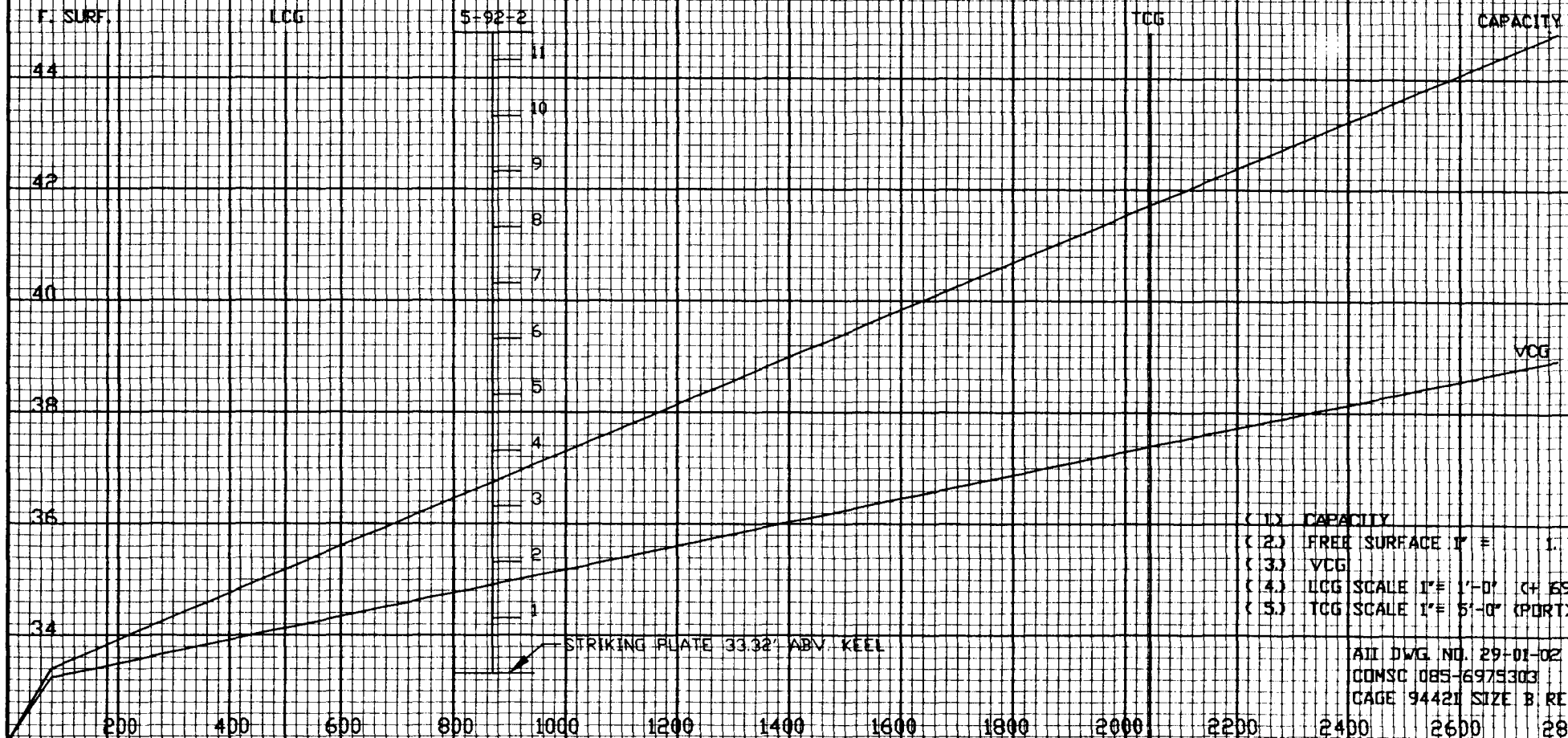
1 2 3 4 5 6 7 8 9 10 11 12 13 14
SCALE IN INCHES

FRAMES 92-93 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2776.	38.94	692.50	51.12	MAXIMUM
98% FULL	2721.	38.83	692.50	51.12	0.9

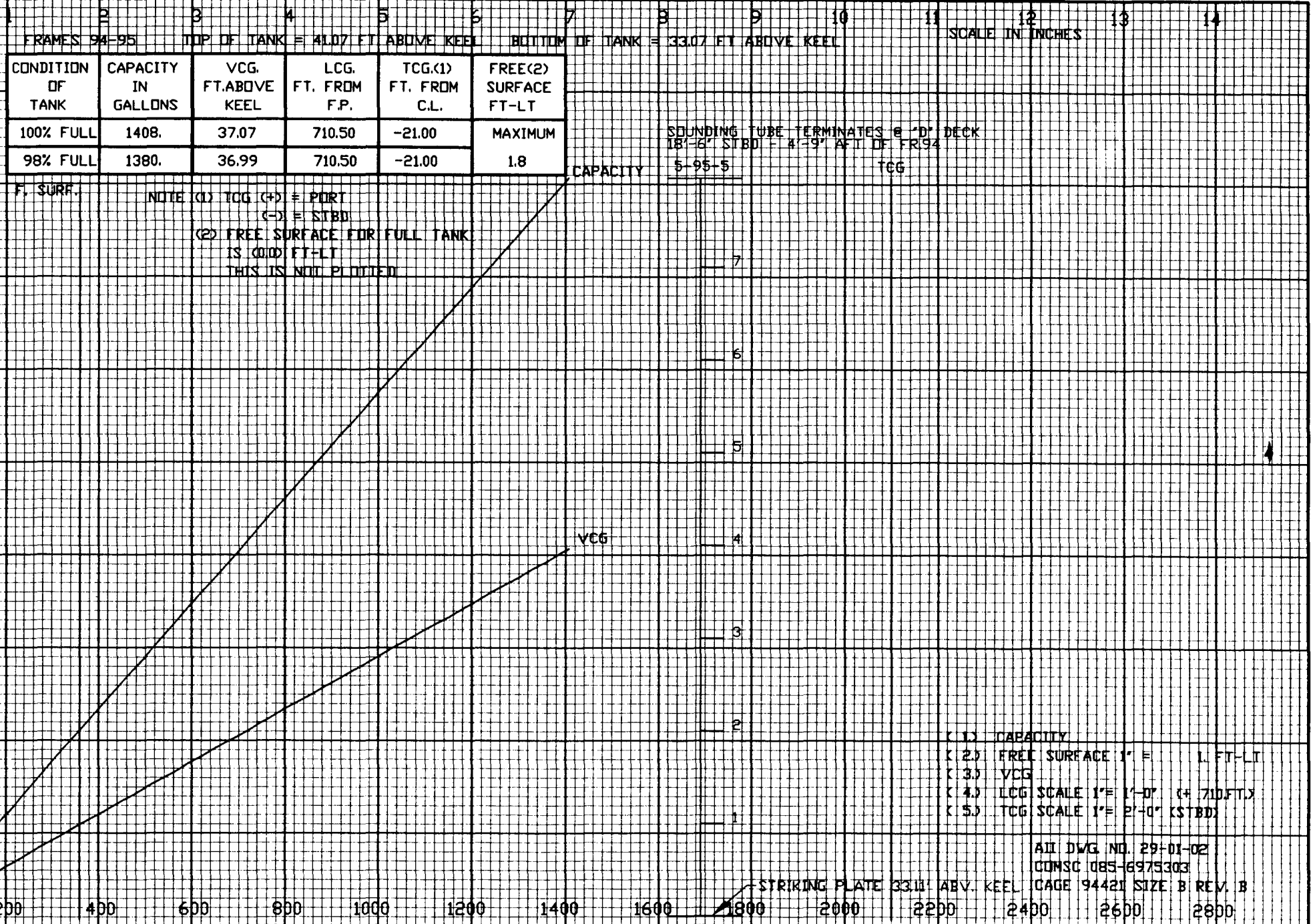
NOTE: (1) TCG (+) = PORT (-) = STARBOARD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES 8" DECK
5'-2" PORT - 1'-0" AFT OF FR. 93



TANK: RG LD SETTLING TANK 5-95-5

HEIGHT ABOVE KEEL - FEET



TANK: ME LO SUMP TANK P OR S 7.5-86-2/1

HEIGHT ABOVE KEEL - FEET

FRAMES 86-90

TOP OF TANK = 10.81 FT ABOVE KEEL

BOTTOM OF TANK = 1.393 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5664.	8.20	643.44	11.00	MAXIMUM
98% FULL	5551.	8.14	643.36	11.00	11.9

NOTE (1) TCG (+) = PORT
(-) = STARBOARD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

7.5-86-2/1

7.5-86-1 SOUNDING TUBE TERMINATES IN ENGINE RM.
8'-6" STBD = 8" AFT OF FR86

7.5-86-2 SOUNDING TUBE TERMINATES IN ENGINE RM.
13'-3" PORT = 8" AFT OF FR85

CAPACITY
TCG
F. SURF.
LCG
VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 630 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

STRIKING PLATE 411" ABV. KEEL

ALL DWG. NO. 29-01-02
CONSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: ME LO SUMP TANK P OR S 7.5-86-4/3

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 86-90

TOP OF TANK = 10.81 FT ABOVE KEEL

BOTTOM OF TANK = 3.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5659.	8.20	643.44	28.17	MAXIMUM
98% FULL	5546.	8.14	643.36	28.17	11.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS 1000 FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES IN ENGINE RM.
30'-6" PORT 8' AFT OF FR.86

7.5-86-3 SOUNDING TUBE TERMINATES IN ENGINE RM.
25'-0" STBD 8' AFT OF FR.86

7.5-86-4

CAPACITY

F. SURF.

LCG

TCG

VCG

STRIKING PLATE 4.21' ABV. KEEL

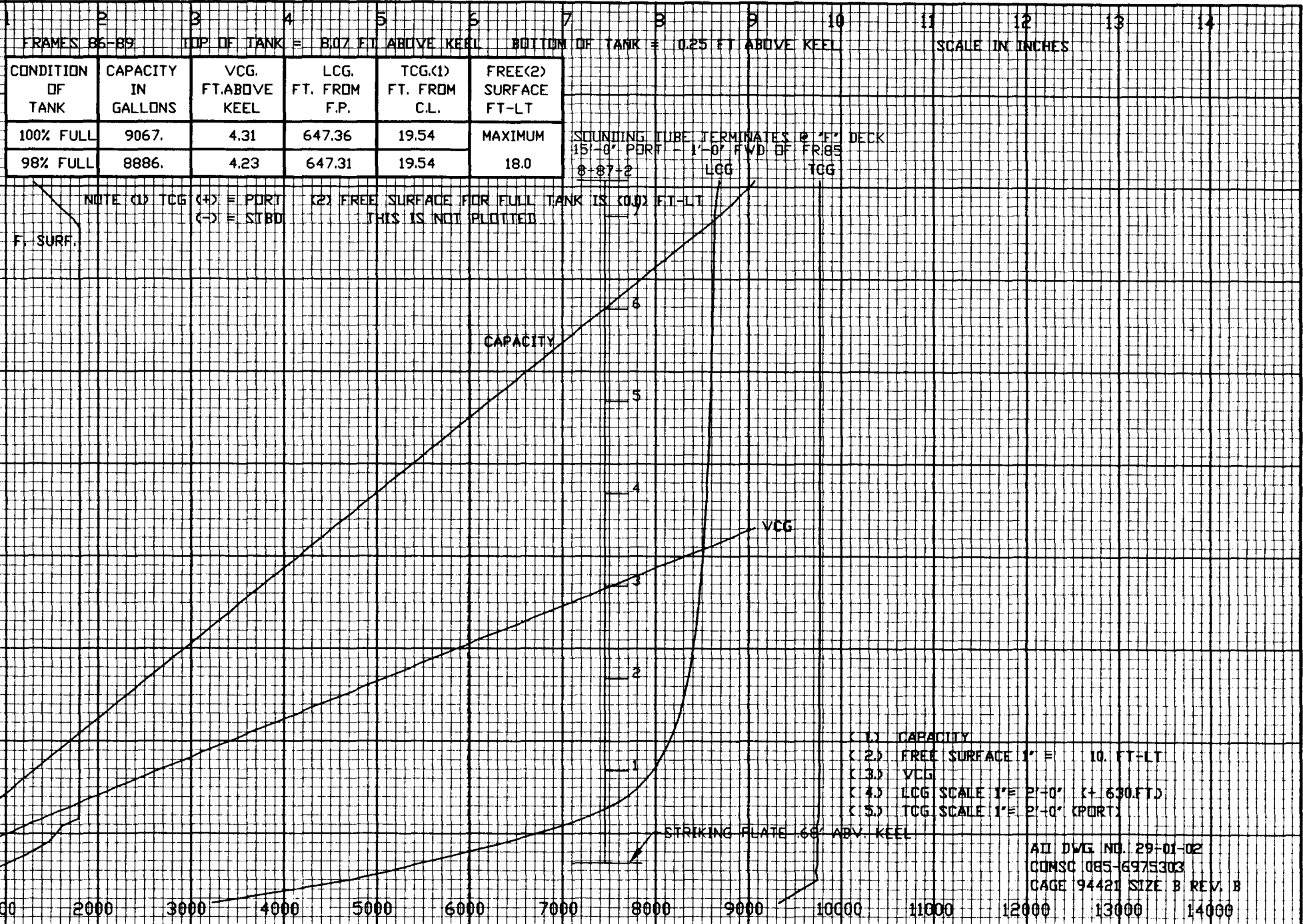
STRIKING PLATE 4.01' ABV. KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 630 FT.)
- (5) TCG SCALE 1" = 2'-0" (PORT)

ALL DWG. NO. 129-01-02
COMSC DB5-6975303
PAGE 94421 SIZE B REV. B

TANK: CSA WASTE OIL TANK 8-87-2

HEIGHT ABOVE KEEL - FEET



TANK: CSA OILY WASTE HOLDING TANK 8-87-4

HEIGHT ABOVE KEEL - FEET

SCALE IN INCHES

FRAMES 87-88

TOP OF TANK = 8.07 FT ABOVE KEEL

BOTTOM OF TANK = 1.23 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2073.	5.08	647.36	35.61	MAXIMUM
98% FULL	2031.	5.03	647.36	35.61	2.6

NOTE: (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS 0.00 FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 1" DECK
32'-6" PORT - 1'-0" FWD OF FR 85
8-87-4

CAPACITY

TCG

LCG

F. SURF.

VCG

(1) CAPACITY

(2) FREE SURFACE 1" = 1. FT-LT

(3) VCG

(4) LCG SCALE 1" = 1'-0" (+ 640 FT.)

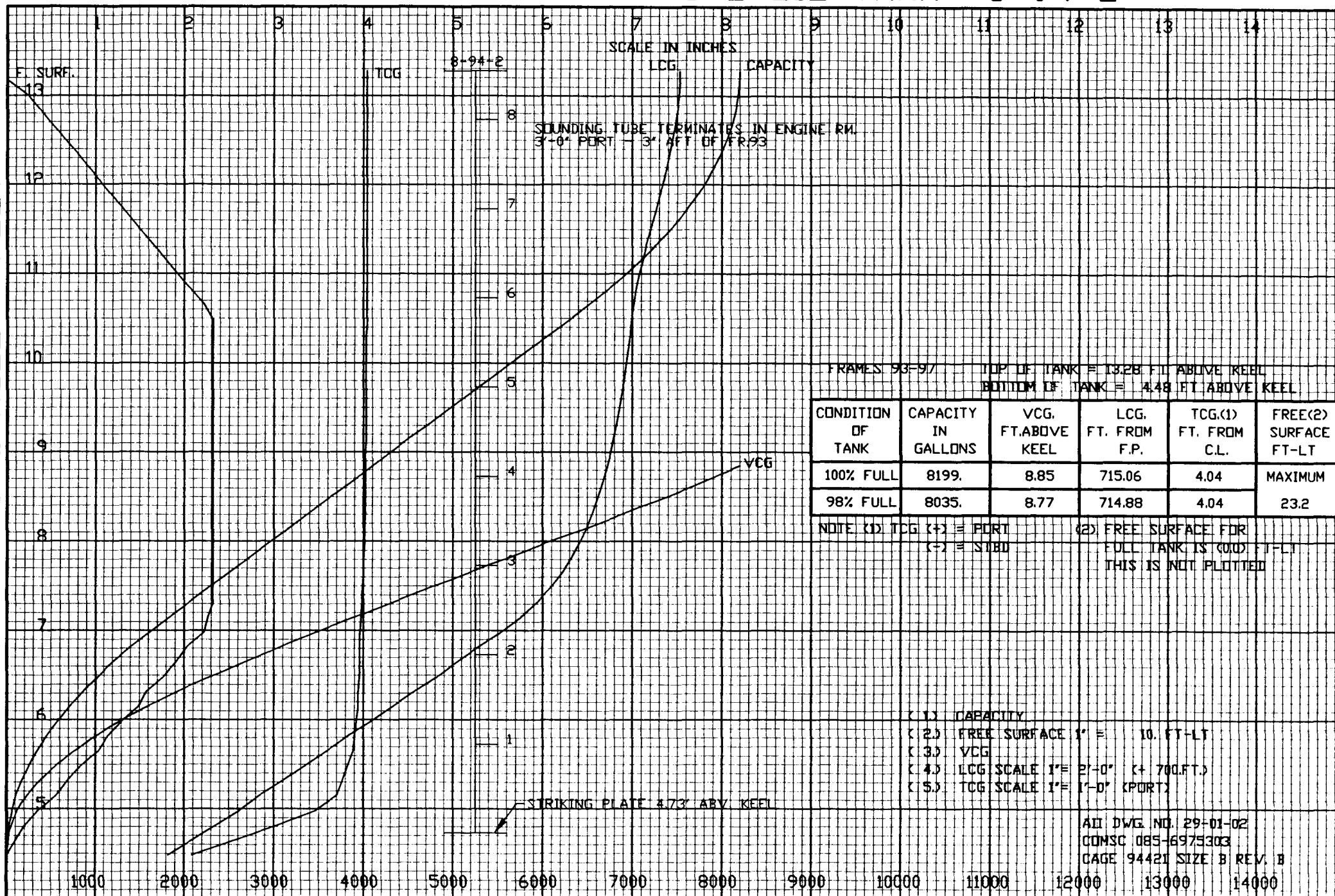
(5) TCG SCALE 1" = 5'-0" (PORT)

STRIKING PLATE 58' ABV. KEEL

ALL DWG NO. 29-01-02
CONSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: ENGINE ROOM WASTE OIL TANK 8-94-2

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

CAPACITY IN GALLONS

ALL DWG NO. 29-01-02
COMSEC 085-6975303
PAGE 94421 SIZE B REV. B

SHEET NO. 68

TANK: ENGINE ROOM OILY WASTE HOLDING TANK 8-93-2

HEIGHT ABOVE KEEL - FEET

FRAMES 93-94 TOP OF TANK = 10.53 FT ABOVE KEEL BOTTOM OF TANK = 3.81 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2418.	7.21	700.37	4.04	MAXIMUM
98% FULL	2369.	7.14	700.33	4.04	7.0

SOUNDING TUBE TERMINATES IN ENGINE RM.
2'-6" PORT - 3'-0" AFT OF FR. 93
8-93-2

NOTE (1) TCG (+) = PORT
(-) = STBD
(2) FREE SURFACE FOR
FULL TANK IS 1000 FT-LT
THIS IS NOT PLOTTED

LCG CAPACITY

6

5

4

3

2

1

VCG

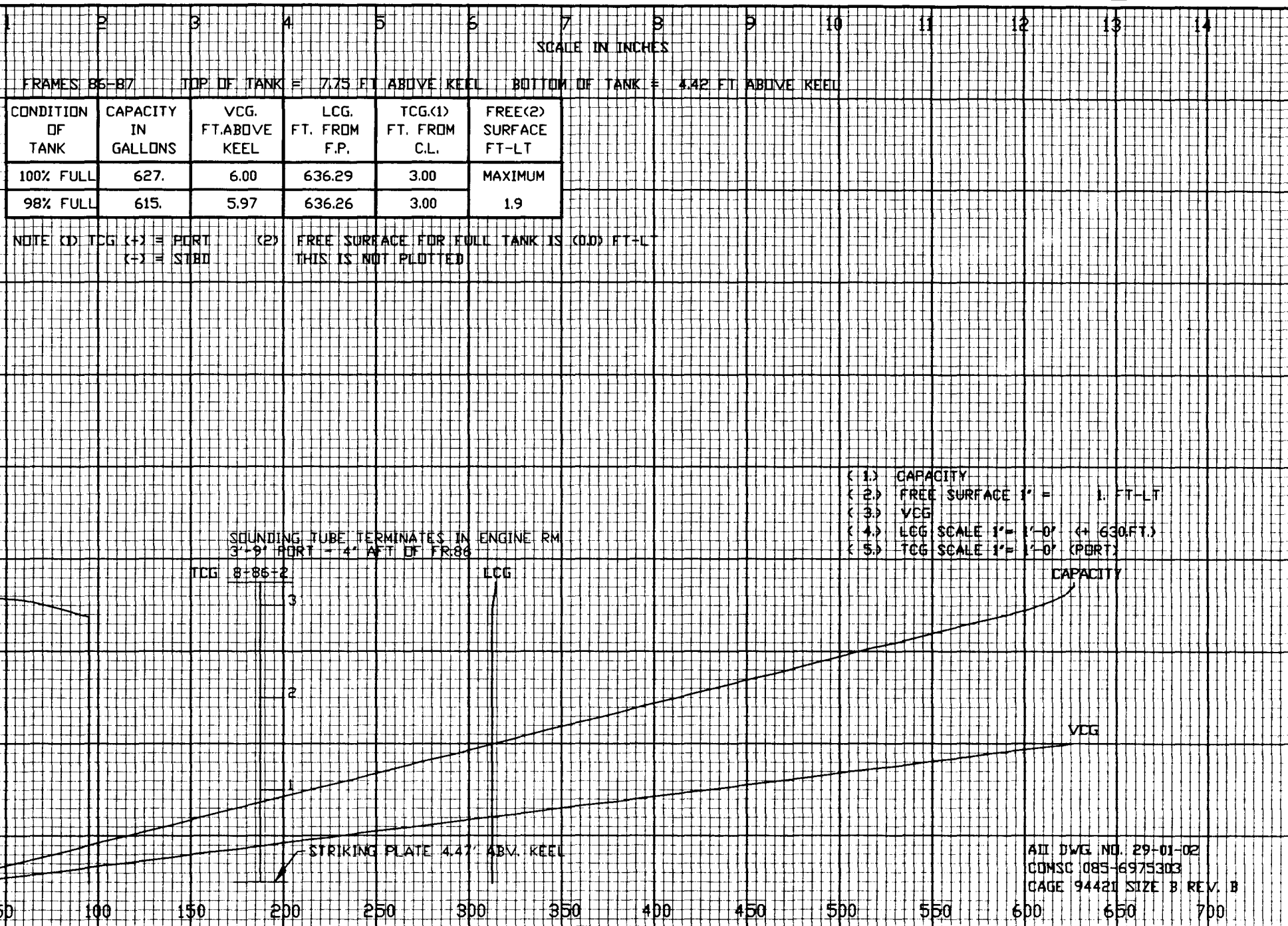
- (1) CAPACITY
- (2) FREE SURFACE 1" = 1 FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 690 FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

STRIKING PLATE 4.15' ABV. KEEL

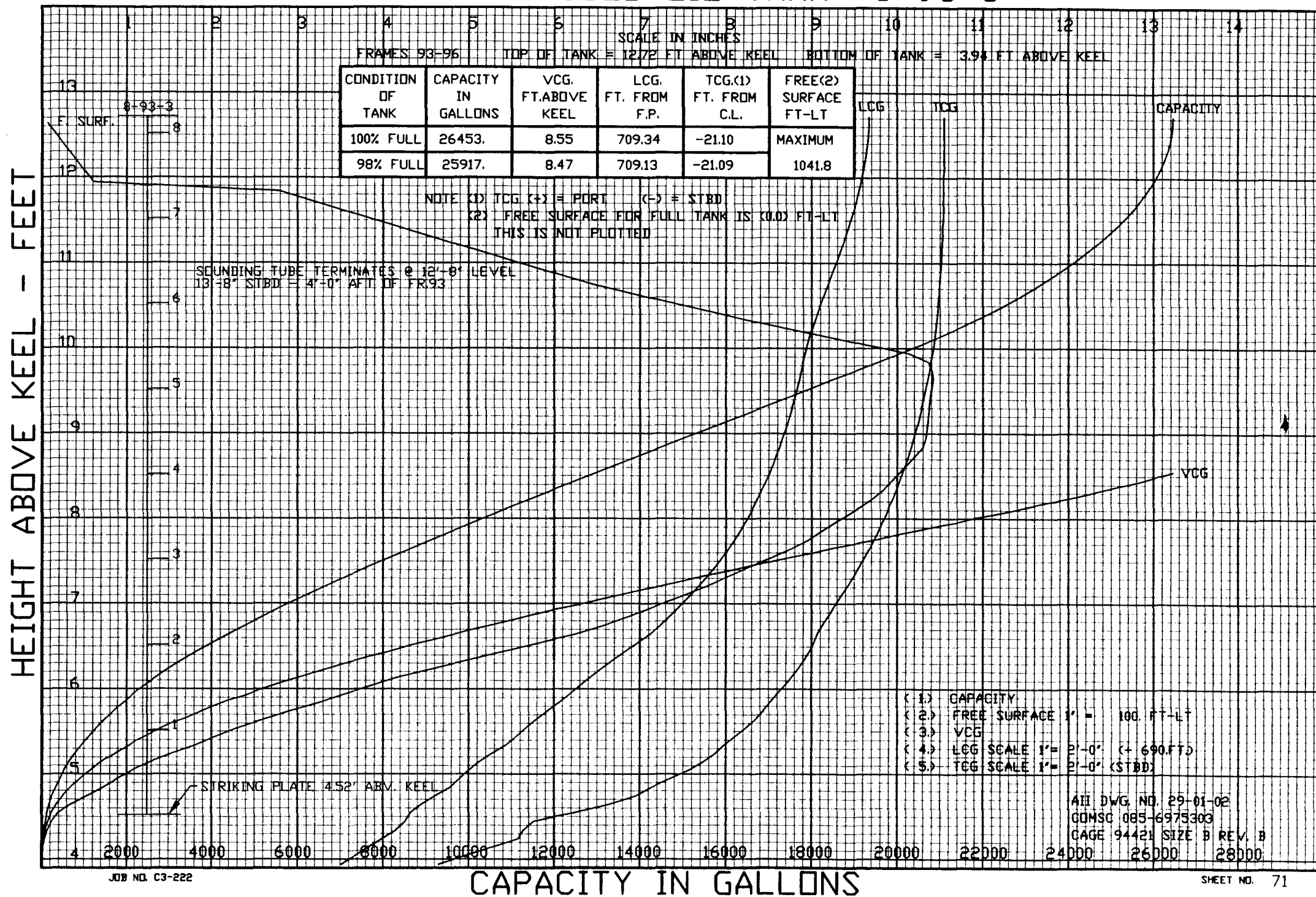
ALL DWG. NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: OILY WASTE DRAIN COLLECTING TANK 8-86-2

HEIGHT ABOVE KEEL - FEET

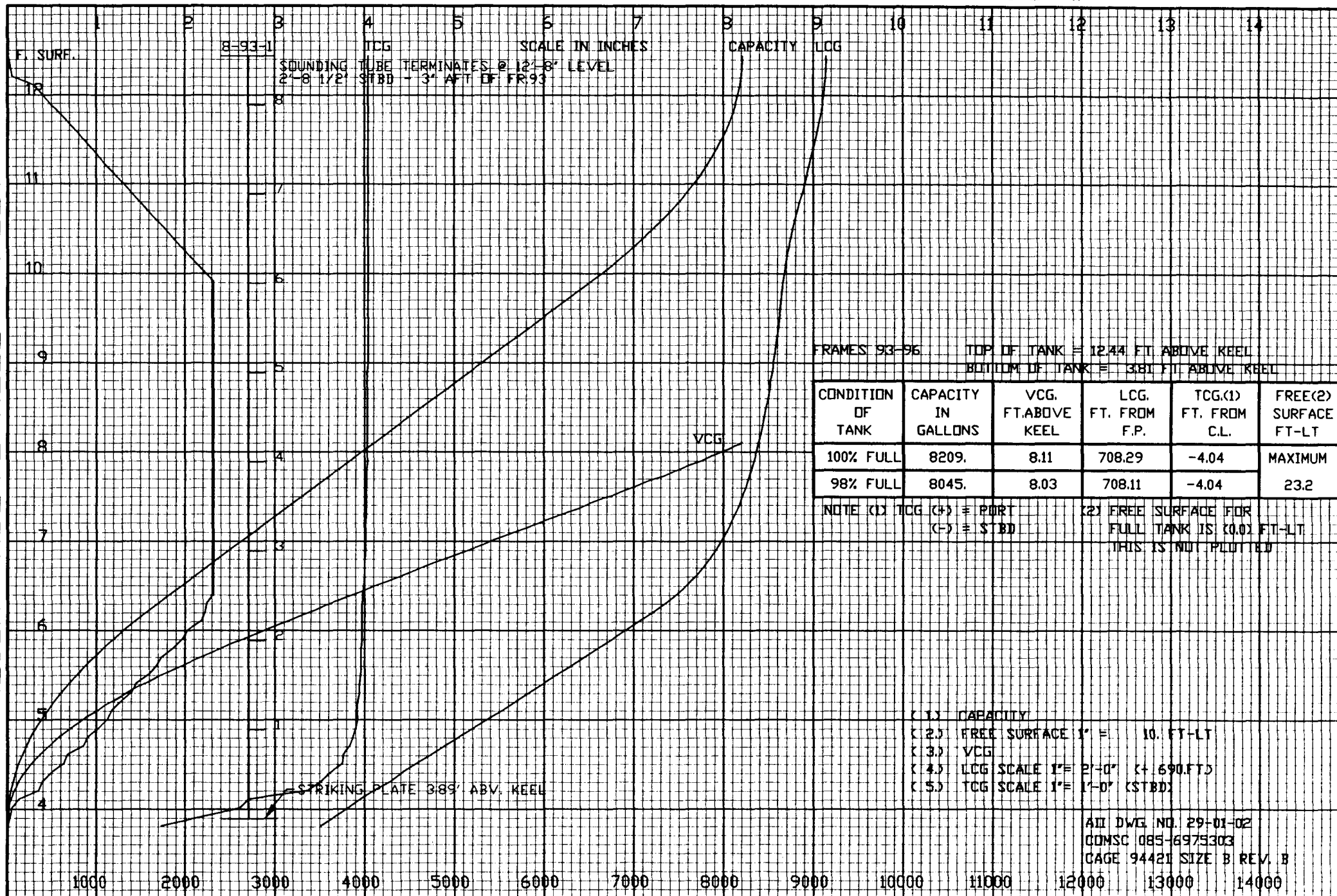


TANK: USED OIL TANK 8-93-3

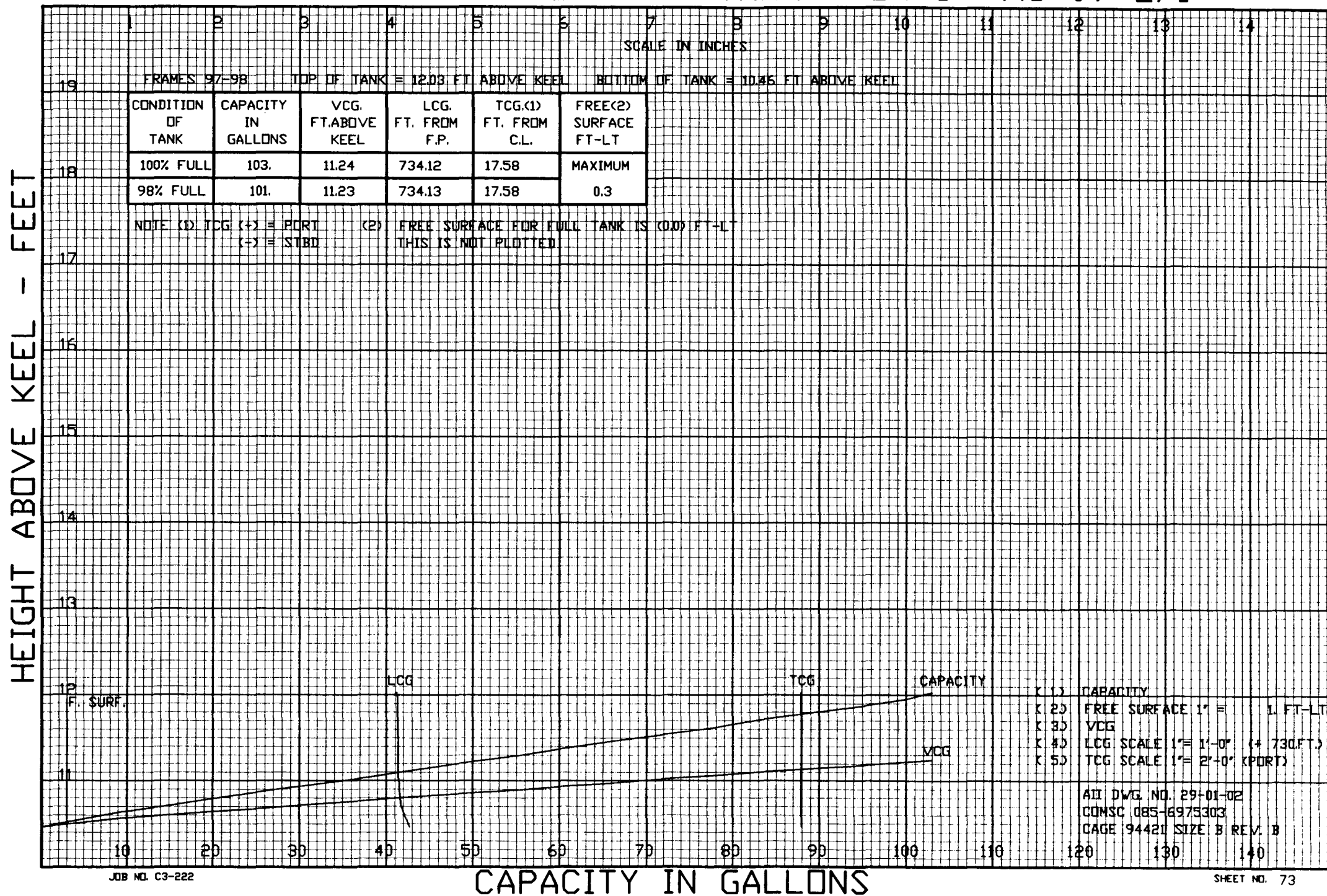


TANK: FUEL OIL OVERFLOW TANK 8-93-1

HEIGHT ABOVE KEEL - FEET

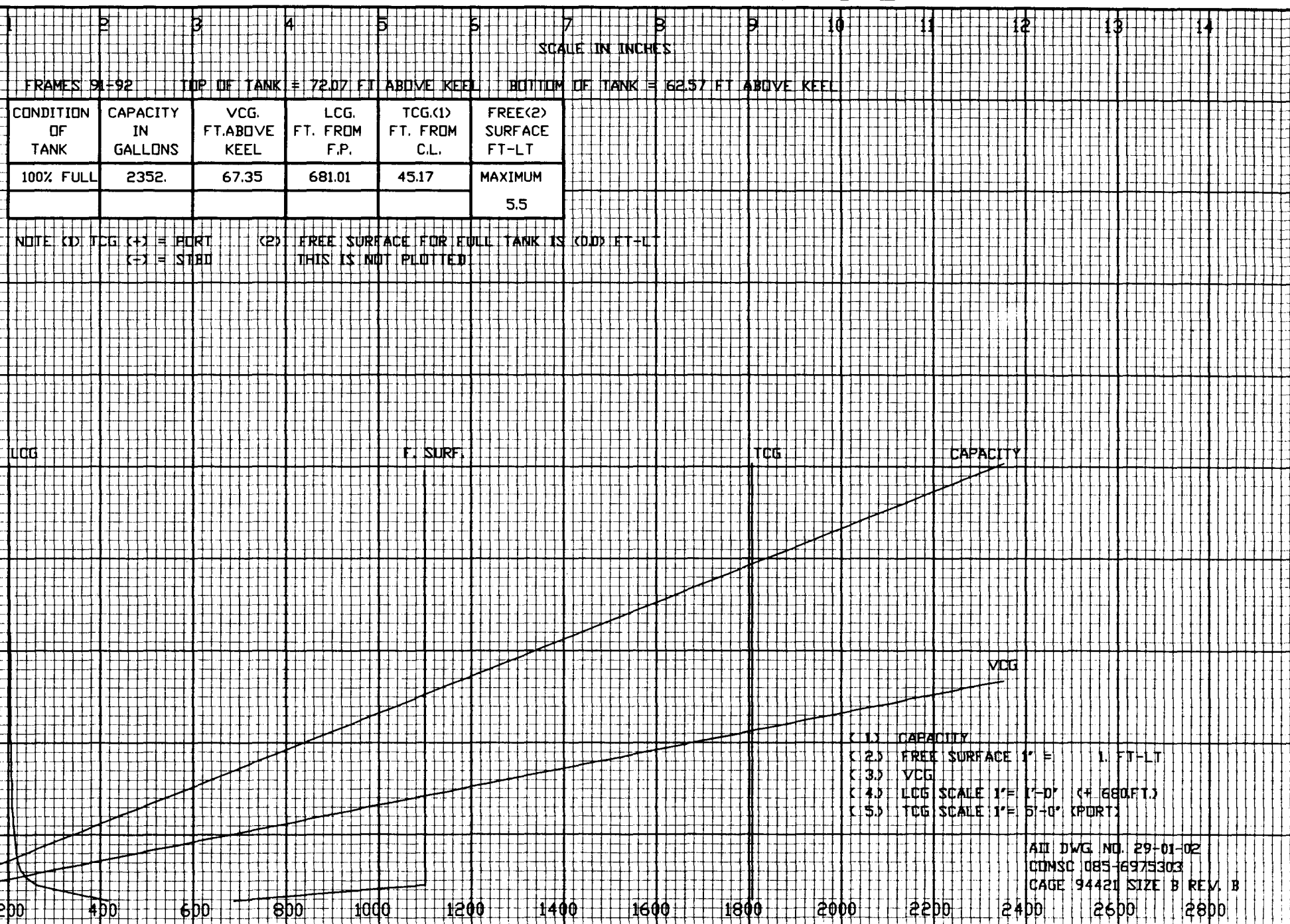


TANK: STERN TUBE LO DRAIN TANK P OR S 7.5-97-2/1



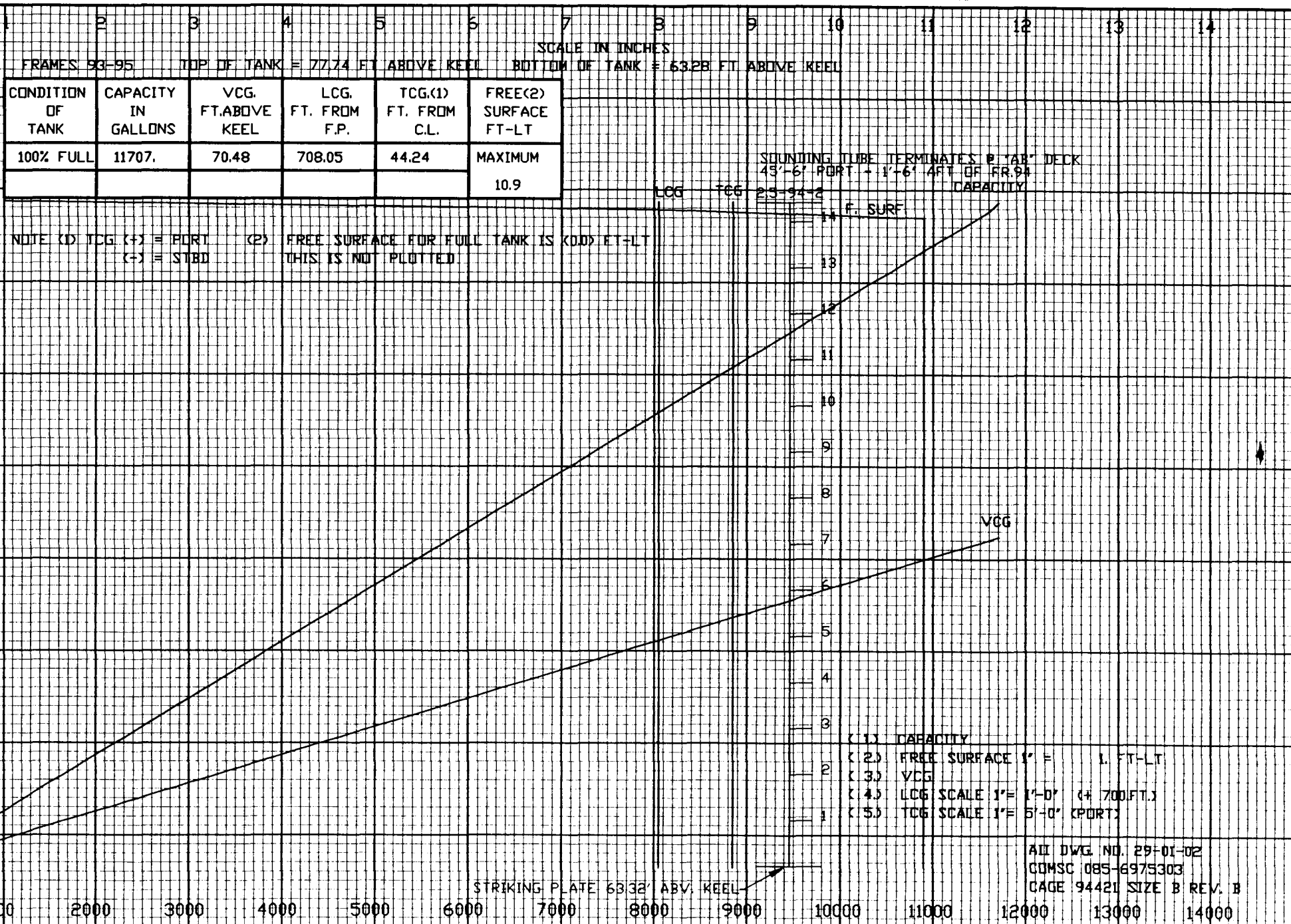
TANK: VCHT TANK 2.5-91-2

HEIGHT ABOVE KEEL - FEET



TANK: WASTE WATER TANK 2.5-94-2

HEIGHT ABOVE KEEL - FEET



TANK: FIXED BALLAST TANK 8-57-0

HEIGHT ABOVE KEEL - FEET

